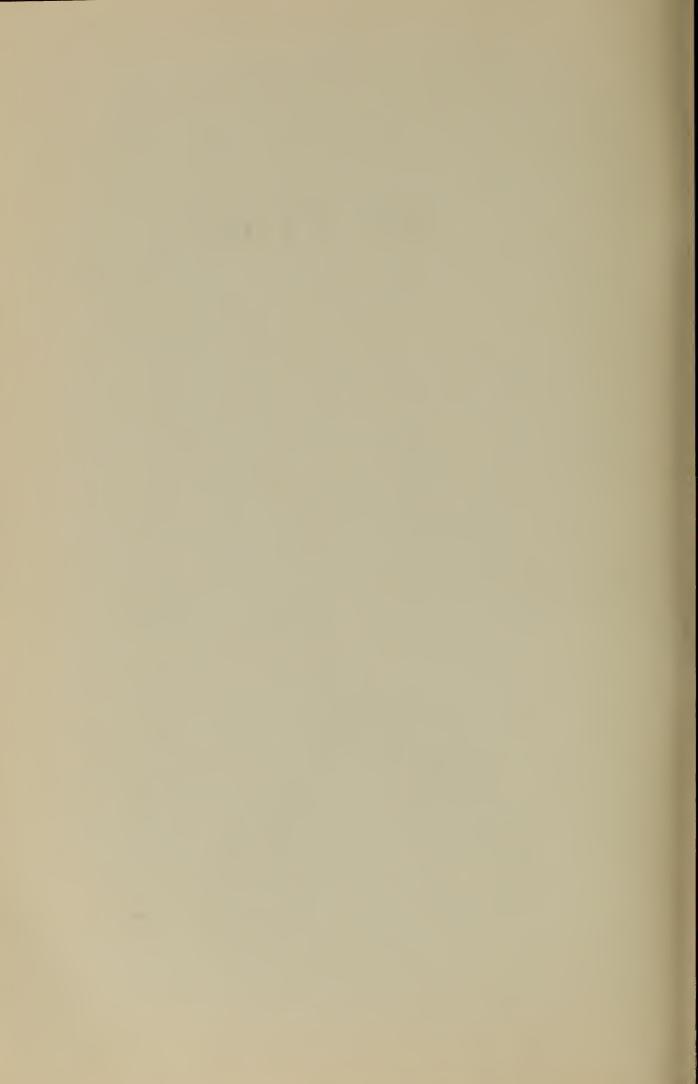
Commercial FEEDING STUFFS 1961 Report on Inspection

H. J. FISHER
Chief Chemist

Bulletin 651
July 1962





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COMMERCIAL FEEDING STUFFS

REPORT ON INSPECTION

1961

H. J. FISHER¹

THE FEED LAW

The statute relating to concentrated commercial feeding stuffs (Chapter 428, General Statutes, Revision of 1958) imposes upon the Station: (1) all duties incidental to the annual registration of feeds offered for sale in the State; (2) the collection of samples for inspection and analysis; (3) the examination of all samples so collected; (4) the preparation and publication of a bulletin summarizing the results of inspection and giving other pertinent information; and (5) joint responsibility with the Food and Drug Commissioner for rules and regulations carrying out the provisions of the law. As a result of a general reorganization of State departments by the General Assembly in 1959, the Food and Drug Commission was abolished and its duties transferred to a new Department of Consumer Protection.

Section 22-116 of the 1959 Revision of the General Statutes delegates the enforcement provisions of the feed law to the Commissioner of Consumer Protection.

The following regulations were issued by the Director of this Station and the Food and Drug Commissioner in February, 1949:

REGULATIONS

REGULATION 1. FEEDS NOT CLASSIFIED AS CONCENTRATED COMMERCIAL FEEDING STUFFS (Sec. 22-112)

It is held that the law exempts from classification as concentrated commercial feeding stuffs, and therefore from registration:
(1) roughages such as hays, straws, corn stover and ensilage; (2) whole grains and mixtures thereof; (3) meals made from whole grains when not mixed with other materials or with each other; (4) feed ground from whole grain and sold by the manufacturer directly to the consumer; and (5) feed mixed according to a formula furnished by the consumer, for his own use.

Under clause (2), above, registration will not be required for mixtures in which the ingredients, excepting corn, are whole grains. Corn, if present, may be whole or cracked.

Analyses are by Mr. Richard Merwin, Mr. Werner Mueller, Mr. Walter Oliver and Miss Helen Kocaba; biological assays under direction of Dr. Lester Hankin; microscopic examinations by Miss Janetha Shepard; and sampling by Mr. R. Richard Nichols. Compilations by Miss Evelyn Caputo and Mrs. Raymond Langlois.

Clause (4) refers to feed ground from materials furnished by the consumer.

Under clause (5) feed is regarded as "mixed to order" and must be so tagged together with the name of the customer for whom it is mixed, or otherwise identified to distinguish it from regular brands offered for general sale. Such feed must be sold only to the customer for whom it was mixed; if sold to others it becomes a regular brand and subject to registration and other provisions pertaining to feeds in general.

REGULATION 2. METHOD OF LABELLING (SEC. 22-113)

All concentrated commercial feeding stuffs, other than vitamin D carriers, must be labelled either by a statement printed on the bag or upon a properly attached tag; in the case of concentrated feeding stuff sold in bulk, a certificate which shall contain the information otherwise required to appear upon the bag or upon the tag, may be issued by the dealer in lieu thereof.

The use of wire or any metal in affixing tags is prohibited by law.

The law requires a statement of (1) the net weight of the feed contained in the package; (2) the name, brand or trademark, under which the feed is sold; (3) name and address of the manufacturer or importer; (4) the minimum percentages of (a) crude protein and (b) crude fat, and the maximum percentage of (c) crude fiber contained in the feed; (5) the separate ingredients of which the feed is composed.

While the law requires only a statement of the items enumerated above, no objection will be raised to more complete statements of chemical composition or formula.

REGULATION 3. CONCERNING VITAMIN D CARRIERS

Vitamin D carriers are required to be registered in the same manner and under the same conditions as obtain for feeds in general.

Information to be given on labels and in applications for registration is (1) name of product; (2) vitamin D potency in terms of A.O.A.C. chick units per gram; (3) name and address of manufacturer, distributor or other person responsible for the product; and (4) on the label, a statement of net weight or volume.

The A.O. A.C. chick unit is the Vitamin D activity produced by one U.S. Pharmacopoeia unit of vitamin D from the U.S.P. "Reference Cod Liver Oil", determined by the method of assay adopted by the Association of Official Agricultural Chemists.

REGULATION 4. CONCERNING COTTONSEED MEAL, ETC.

Cottonseed meal, linseed meal, soybean meal, and other vegetable feeds that are sold as fertilizer, are required to be registered under the provisions of the fertilizer law in addition to registration as feeds. If sold exclusively for one or the other of these purposes, the articles may be registered only under the law which applies.

For such of these articles as are used for fertilizer purposes chiefly or entirely as sources of nitrogen, only nitrogen (or protein) need be declared in the application for registration as fertilizer; and the tags or labels generally attached to such articles when intended for feeding purposes will be acceptable for them when sold as fertilizer.

REGULATION 5. DUTIES OF MANUFACTURERS, JOBBERS AND DEALERS WITH REFERENCE TO REGISTRATION (Sec. 22-114)

All concentrated commercial feeding stuffs, including vitamin D carriers, must be registered with the Connecticut Agricultural Experiment Station annually on January 1, or before they are offered for sale. Registration blank forms are supplied by the Station.

Manufacturers, jobbers or individuals shipping feeds into Connecticut will be expected to register their brands and pay the necessary feeds thereon. Connecticut dealers should assure themselves that the brands they handle are properly registered and labelled. In case the manufacturer or jobber outside the State neglects or refuses to register, the dealer who handles such feeds will be held responsible for such registration, registration fees and other legal requirements.

Dealers within the State who mix their own brands are responsible for the registration and proper labelling thereof.

REGULATION 6. DEFINITIONS OF TERMS USED IN THE LAW AND OF OTHER TERMS

Person. The term "person" imports the singular or the plural as the case demands; and includes corporations, companies, societies and associations.

Importer. The term "importer" is defined in the act.

Brand. It is held that a distinct brand name, or a distinct analysis, constitutes a distinct brand.

Definitions for Feeding Stuffs. The definitions and standards for feeding stuffs adopted from time to time by the Association of American Feed Control Officials are accepted as official in carrying out the provisions of this law; and the rules and regulations as adopted by that association are accepted as far as possible and when not inconsistent with the Connecticut Statutes.

REGULATION 7. METHODS OF ANALYSIS (Sec. 22-113)

The methods of analysis employed shall be those prescribed by the Association of Official Agricultural Chemists, wherever such methods have been adopted for the determinations desired.

REGULATION 8. CONCERNING MEDICATED FEEDS AND MINERAL MIXTURES

The law does not include medicated products used as "conditioners" for stock and poultry, and which consist essentially of

substances possessing, or claimed to possess, medicinal or condimental properties nor does it include products consisting of supplemental minerals.

REGULATION 9. FEEDS IN DIFFERENT PHYSICAL FORMS

The same feed offered in different physical forms, e. g., mash and pellets, requires but one registration.

REGULATION 10. REVISIONS AND SUBSTITUTIONS OF REGISTRATIONS

A feed registration after being filed may be revised without payment of an extra registration fee.

A brand of feed duly registered and subsequently discontinued may be replaced by another brand for the unexpired period of registration without payment of an extra registration fee.

REGISTRATIONS

For the period January 1, 1961 to December 31, 1961, 193 firms registered 1,300 brands of feeding stuffs, and 22 firms registered 54 brands of vitamin carriers.

ACME-EVANS CO. INC., 902 W. Washington Ave., Indianapolis, Ind.

Acme Wheat Bran

Acme Wheat Middlings with Ground Wheat Screenings

Acme Yellow Hominy Feed

ALBERS MILLING CO., Division of Carnation Co., 5045 Wilshire Blvd., Los Angeles 36, California

Albers Calf Manna

Albers Medicated Rapid-Ade

Albers Rabbit Breeder Paks

Albers Rabbit Family Ration

Albers Sho-Glo

Albers Spur

Albers Suckle

ALLIED CHEMICAL CORP., Nitrogen Division, Hopewell, Va.

"Procadian" 281 Prilled Urea Feed Mix

"Procadian" Urea Feed Mixture

ALLIED MILLS, INC., 110 No. Wacker Drive, Chicago 6, Ill.

Wayne 16% Dairy

Wayne Egg-Medicated M-29

Wayne Fitting Ration

Wayne Fitting Ration "E"

Wayne Horse Feed

Wayne Medicated H-A-D M-27

Wayne Rabbit Ration

Wayne Scratch Feed

Wayne 16% Test Cow

Wayne Turkey Finisher

Wayne Turkey Grower

Wayne Turkey Grower - Medicated M-53

Wayne Universal Egg - Medicated M-29

Wayne Universal Scratch Feed

AMERICAN CRYSTAL SUGAR CO., Boston Bldg., Denver, Colo.

Dried Beet Pulp with Beet Molasses Plain Dried Beet Pulp

AMERICAN CYANAMID CO., P.O. Box 383, Princeton, N.J.

Arzene Premix 4%

Aureomycin Chlortetracycline Crumbles

AMERICAN CYANAMID CO., P.O. Box 383, Princeton, N.J.-Cont.

Cyrea Urea Feed Compound Cyzine 10% (2-acetylamine-5-nitrothiazole) Enheptin A Premix 15% Megasul 25% Nitrophenide Nitrophenide 20

AMERICAN FEED CO., W. 177th St. & Harlem River, New York, New York

AFCO Wafer Meal

AMERICAN MAIZE-PRODUCTS CO., 250 Park Ave., New York 17, New York

Amaizo Gluten Meal Cream of Corn Gluten Feed

ANHEUSER-BUSCH, INC., 721 Pestalozzi St., St. Louis 18, Mo. Brewers' Dried Grains

ARCHER-DANIELS-MIDLAND CO., 600 Roanoke Bldg., Minneapolis 40, Minn.

Archer Quality 34% Protein Linseed Oil Meal Archer Quality 44% Protein Solvent Extracted Soybean Meal Archer Quality 50% Protein Dehulled Solvent Extracted Soybean Meal

ARCHER-DANIELS-MIDLAND CO., Alfalfa Div., P.O. Box 356, Kansas City 41, Mo.

Small's 17% Dehydrated Alfalfa Meal Small's 20% Dehydrated Alfalfa Meal

ARMOUR & COMPANY, 401 N. Wabash Ave., Chicago, Ill.

Armour Mink Food Mix Top-Pelt Mink Food Mix

ATLANTIC PROCESSING CO., Amagansett, New York Smith's Life Line Fish Meal

B & W CANNING CO., INC., Groveland, Florida B'nW Brand Dried Citrus Pulp

BARBER & BENNETT, INC., Arch & Church Sts., Albany 1, N.Y.

Dairy Sweet 16%

Fort Orange All Mash Layer

Fort Orange Calf Grower and Booster

Fort Orange 12% Fitting and Freshening Ration

Fort Orange Golden Test Ration

Fort Orange Green Roughage

Fort Orange Medicated Appetizer Mash Fort Orange Milk Replacer Fort Orange Special Test Ration

THE BEACON MILLING CO., Spencer Kellogg Div. of Textron, Inc. Cayuga, New York

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(See also Vitamin Carriers)
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Beacon Balancer Pellets

Beacon Breeder All Mash A Medicated

Beacon Broiler Finisher AP Medicated

Beacon Broiler Finisher NCA Medicated

Beacon Broiler Finisher UN3 Medicated

Beacon C-C Flushing Pellets

Beacon Calf Grow

Beacon "15" Coarse Test Cow Ration

Beacon Complete Rabbit Pellets

Beacon Complete Starter NC Medicated

Beacon Dairy Fitting

Beacon Duck Breeder

Beacon Duck Breeder Developer

Beacon Duck Grower Finisher

Beacon Duck Grower Finisher Mixed with Beacon 0.01%

Iodinated Casein Mix

Beacon Duck Starter

Beacon Egg Check A Medicated

Beacon "22" Egg Mash

Beacon Goat Ration

Beacon Grower All Mash

Beacon Grower All-Mash NC Medicated

Beacon "18" Growing Mash

Beacon Hi-Energy Test Pel-ets

Beacon Hi-Energy "18" Test Pel-ets

Beacon Horse Feed

Beacon Market Egg All-Mash A Medicated

Beacon Medicated Booster Pellets

Beacon Medicated Poultry Mix 1CT-FZ

Beacon Medicated Poultry Mix 2CT

Beacon Medicated "20" Turkey Grower AC-AN

Beacon Milk Check "16" Dairy Ration

Beacon Milk Check "18" Dairy Ration

Beacon Milk Check "20" Dairy Ration

Beacon Milk Check Fitting Ration

Beacon Milky Way "16" Pel-ets

Beacon "24" Mixer

Beacon "32" Mixer

Beacon Poultry Finisher with Dienestrol Diacetate and Nicarbazin

Beacon Poultry Finisher NC Medicated

Beacon Roaster Finisher NC Medicated

Beacon Roaster Finisher UN3 Medicated

Beacon Sodium Propionate Pel-ets

Beacon Starter-Broiler

Beacon Starter-Broiler AP Medicated

Beacon Starter-Broiler NCA Medicated

Beacon Starter-Broiler UN3 Medicated

Beacon Sweet "16" Dairy Ration

Beacon "16" Test Cow Ration

Beacon "18" Test Cow Ration

THE BEACON MILLING CO., Spencer Kellogg Div. of Textron, Inc. Cayuga, New York - Cont.

Beacon "22" Turkey and Game Bird Grower

Beacon Turkey and Game Bird Starter

Beacon Turkey and Poultry Fitting

Beacon Turkey Breeder All-Mash

Beacon Turkey Finisher All Mash

Beacon Turkey Finisher All-Mash C Medicated

Beacon "20" Turkey Grower

Beacon "20" Turkey Grower C Medicated

Beacon Turkey Starter SQA Medicated

Be-Co Grower

Be-Co Grower NC Medicated

Be-Co-Lass

Be-Co-Nurse Milk Replacer

BEACON FEED SERVICE, Uxbridge, Mass.

Blackstone Valley "16" Pellets

THE BERKMAN GRAIN CO., North Franklin, Conn.

Nibco 18% Dairy Ration

Nibco Fitting Ration

Nibco Five Star Breeder

Nibco Five Star Lo Color

Nibco Five Star Roaster

Nibco Five Star Roaster Medicated

Nibco Five Star Roaster Med. with Dienestrol

Nibco Five Star Super Starter

Nibco Five Star Weight Maker

Nibco Five Star Weight Maker Medicated

Nibco Five Star Weight Maker Med. with Dienestrol

Nibco High Energy Layer

Nibco Medicated Booster Feed

Nibco Pullet Builder

Nibco Pullet Starter

BEST FOODS, Div. of Corn Products Co., 54 Fulton St., Buffalo, New York

Oat Mill By-Product

BLATCHFORD CALF MEAL CO., Waukegan, Illinois

Blatchford's Calf Meal

Blatchford's Calf-Pab

THE BLOOMFIELD FARMERS' EXCHANGE, INC., Bloomfield, Connecticut

Bloomfield 16% Dairy Ration

BROOKLAWN GRAIN & FEED CO., 321 Sylvan Ave., Bridgeport,
Connecticut

Brooklawn Sweet Mix

Brooklawn High Energy Layer

Brooklawn 16% Dairy Ration

BROWN-FORMAN DISTILLERS CORP., P. O. Box 1080, Louisville, Kentucky

> Brown-Forman Corn Distillers Dried Grains Brown-Forman Corn Distillers Solubles

- CALVERT MILLING CO., Hoytville, Ohio 17% Dehydrated Alfalfa Meal
- CAMDEN GRAIN CO., 1709 Kossuth St., Camden, N.J.

 Camden Brand Dried Brewers Grain
- CAMP MILLING CO., INC., Walton, New York

 Camp's Milk Replacer for Calves and Pigs
- CANADA LINSEED OIL MILLS, Ltd., 2215 Notre Dame St., Montreal, Quebec, Canada Maple Leaf 34% Protein Expeller Linseed Oil Meal Grits
- THE A. B. CAPLE CO., Toledo, Ohio

 17% Capex Dehydrated Alfalfa Meal Reground Pellets
 Sun-cured Alfalfa Crumbles
- CARGILL, INCORPORATED, 200 Grain Exchange Building, Minneapolis 15, Minn.

Cargill, Inc., 34% Protein Solvent Extracted Linseed Oil Meal Cargill, Inc., 44% Protein Solvent Extracted Soybean Meal Cargill, Inc., 50% Protein Solvent Extracted Dehulled Soybean Meal

- CARLING BREWING CO., INC., 9400 Quincy Ave., Cleveland, Ohio Carling Brewers Dried Grains
- CENTRAL CONN. CO-OP FARMERS' ASS'N., Inc., Manchester, Connecticut

Honest Brand Aureomycin Mix 100 Grams

Honest Brand Aureomycin Mix 200 Grams

Honest Brand Complete Breeder Mash

Honest Brand Complete Ration High Energy Growing Mash

Honest Brand Complete Ration High Energy Growing Mash Medicated

Honest Brand Complete Ration Hi-Energy Laying Mash

Honest Brand Nu Weigh Hi Broiler Finisher Mash

Honest Brand Nu Weigh Hi Broiler Finisher with Unistat

Honest Brand Nu Weigh Hi Broiler Mash

Honest Brand Nu Weigh Hi Broiler Starter Mash with Unistat

Honest Brand Nu Weigh Hi Starter Mash

Honest Brand Nu Weigh Hi Starter with Sulfaquinoxaline Triple-Biotic Mix

CENTRAL SOYA, McMillen Feed Div., Ft. Wayne, Indiana

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Bio-21 Concentrate (350-03N) Medicated
Central Soybean Mill Run 978
Forty-Four 44% Solvent Extracted Soybean Meal
Master Mix All Mash Layer 215
Master Mix All Mash Pullet Developer 145
Master Mix All Mash Pullet Grower 135-04E Medicated
Master Mix All Mash Turkey Grower 421-03C Medicated
Master Mix All Mash Turkey Grower 421-34A Medicated
Master Mix All Mash Turkey Grower 421-34B Medicated
Master Mix Broiler Finisher 323-04A Medicated
Master Mix Broiler Finisher 323-16C Medicated
Master Mix Broiler Finisher 323-72A Medicated
Master Mix Broiler Finisher 324-16C Medicated
Master Mix Broiler Finisher Concentrate 375
Master Mix Broiler Finisher Concentrate 375-04C Med.
Master Mix Broiler Finisher Concentrate 375-16B Med.
Master Mix Broiler Finisher Concentrate 375-72C Med.
Master Mix Broiler Starter 307-16C Medicated
Master Mix Broiler Starter 307-72A Medicated
Master Mix Broiler Starter 308-16C Medicated
Master Mix Broiler Starter Concentrate 351
Master Mix Broiler Starter Concentrate 351-16A Med.
Master Mix Broiler Starter Concentrate 351-72B Med.
Master Mix Calflac 505
Master Mix Calflac Medicated
Master Mix Calf Mixer
Master Mix Calf Starter 531
Master Mix Caponette Finisher 337-77L Medicated
Master Mix 32% Cattle Supplement 763 Pellets
Master Mix Chick Concentrate 153-04G Medicated
Master Mix Chick Starter 103-04A Medicated
Master Mix Complete Rabbit Pellets 961
Master Mix Complete Rabbit Pellets 961-84E Medicated
Master Mix Complete Turkev Finisher 445 (Pellets)
Master Mix 38% Dairy Concentrate 671
Master Mix 38% Dairy Concentrate 671-03M Medicated
Master Mix 14% Dairy Feed 621
Master Mix Egglac Pellets 223
Master Mix Egg Mash 211
Master Mix H. C. All Mash Breeder 043
Master Mix H.C. Breeder Concentrate 087
Master Mix H.C. Egglac Pellets 221
Master Mix H.C. Egglac Pellets 221-41B
Master Mix Hi-Q 14% Dairy 615
Master Mix Hi-Q 16% Dairy
Master Mix Hi-Q Master Blend Concentrate 667
Master Mix Hog Finisher Concentrate
Master Mix Horse Feed 967
Master Mix Layer Concentrate 265
Master Mix Liponette Finisher 342-71M Medicated
Master Mix Medicated Bio 5 Concentrate 376-03G
Master Mix Medicated Bio-21 (303-03C)
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Master Mix Medicated Biofeed-180 223-20A

CENTRAL SOYA, McMillen Feed Div., Ft. Wayne, Ind. - Cont.

Master Mix Medicated Biofeed-200 (235-89A)

Master Mix N.E. 16% Dairy Feed 626

Master Mix Poult Starter 401-83A Med.

Master Mix Prime Finisher 341-71M Med.

Master Mix Pullet Grower 119-04D Med.

Master Mix Sweet Bulk 'N Flakes 648

Master Mix Sweet 16% Dairy 620

Master Mix Turkey Grower 425-34A Med.

Master Mix Turkey Grower 425-34B Medicated Bio-5 (326-03C)

Soybran Registered Trademark of Flaked Soybean Hulls Thrifty-Fifty 50% Solvent Extracted Dehulled Soybean Meal

CHELSEA MILLING CO., Chelsea, Michigan

Chelsea Wheat Middlings-Standard Wheat Middlings with Ground Wheat Screenings

S. J. CHERRY & SONS, Ltd., Preston, Ontario, Canada Wheat Bran

CIBA PHARMACEUTICAL PRODUCTS, INC., 556 Morris Ave., Summit, N. J.

Serpasil Reserpine Premix CIBA - Med.

CITRUS FEED CO., P.O. Box 513, Lakeland, Fla.

Fosgate's Ace High All Sweet Dried Citrus Pulp

CITRUS PRODUCTS DIV. Minute Maid Corp., P.O. Box 720, Leesburg, Fla.

Golden Isle Citrus Pulp

CLINTON CORN PROCESSING CO., Clinton, Iowa

Clinton 21% protein Corn Gluten Feed Clinton 41% protein Corn Gluten Meal

CLYDE MILLING CORP., 15 Sodus St., Clyde, N.Y.

Clyde Chick Starting Mash

Clyde Complete Rabbit Pellets

Clyde Dry & Freshening Ration

Clyde Hi-Cal-Re Complete Layer and Grower

Clyde Horse Feed

Clyde Market Egg Mash

Clyde Test Cow 16 Dairy Ration

Clyde Test Cow 18

Warren's Dry & Freshening Ration

COCKE & COMPANY, 208 William-Oliver Bldg., Atlanta 3, Ga.

Cocke-Sure Brand 41% Protein Cottonseed Meal Hi-Acres All Sweet Dried Citrus Pulp (Mfd. by Hi-Acres) Sweet Suni-Citrus Pulp (Mfd. by Suni Citrus Prod.)

COMMERCIAL SOLVENTS CORP., 260 Madison Ave., New York, N.Y.

(See also Vitamin Carriers)

CSC Choline Supplement 50 Soluferm Basic

Mixer Greenules

CONN. BI-PRODUCTS, INC., Hop River Road., Columbia, Conn. Feather Meal Poultry By-Product Meal

CONSOLIDATED BLENDERS, INC., Fremont, Nebraska 17% Dehydrated Alfalfa Meal with Animal Fat Merry

CONSOLIDATED RENDERING CO., 178 Atlantic Ave., Boston 10, Massachusetts

Corenco Feeding Bone Meal Corenco 47% Meat and Bone Scrap Corenco 50% Meat and Bone Scrap

COOPERATIVE GRANGE LEAGUE FEDERATION EXCHANGE, INC., Mills Div., P.O. Box 973, Buffalo, N.Y. Corn Feed Meal Hominy Feed

CORN PRODUCTS CO., 717 Fifth Ave., New York 22, N.Y. Buffalo Brand 21% Protein Corn Gluten Feed Diamond Brand 41% Corn Gluten Meal

C. A. COWLES, INC., Plantsville, Conn.

Blue C Feed Horse Feed with Molasses 16% Dairy Delight Blue C Feed Laying Mash

CROMPTON GRAIN CO., 100 Pulaski St., W. Warwick, R.I. Master Made Broiler Finisher Medicated

DCA FOOD INDUSTRIES, INC., Ellicott City, Md. Domaco Wheat Middlings

DAIRYMEN'S LEAGUE CO-OP. ASSN., INC., 400 Park St., Syracuse, N.Y.

Dairylea Feed Grade Dried Skim Milk

DAWE'S LABORATORIES, INC., 4800 S. Richmond St., Chicago, Illinois

> (See also Vitamin Carriers) Dawe's Fermentation Flavonne Special Broiler Mix No. 571-D

DAWNWOOD FARMS, Amenia, N.Y.

(See also Vitamin Carriers)

Dawnwood Farms CAF-STAR

Dawnwood Farms Caf-Star Formula Feed for Calves

Dawnwood Farms Hi-Fat Milk Replacer Caf-Star Formula

DECATUR ELEVATOR CO., 518 E. Gault St., Decatur, Ill.

Illini Brand Expeller Type 43% Soybean Meal

DELAWARE MILLING CO., INC., Deposit, N.Y.

Delaware Egg Mash

Delaware Scratch Grains

Delaware Turkey Grower

Eastern Conn. Grain Associates Growing Mash

Middlesex All Mash Layer

Warren's C & C Complete Laying Mash Warren's C & C (20%) Laying Mash

Warren's Chick Starter Med. (Mfg. by Delaware)

Warren's Fitting Ration

Warren's Indian 16% Dairy

Warren's 16% Test Ration

Warren's 20% Test Ration

THE DELPHOS GRAIN & SOYA PRODUCTS CO., Delphos, Ohio

44% Protein Soybean Meal (Solvent Extracted)

DERBY FEED STORE, 176 Main St., Derby, Conn.

Litsky's Hi-Energy All Mash Grower

Litsky's Hi-Energy All Mash Layer

Litsky's Hi-Energy Layer

Litsky's Sulfaquinoxaline Mixture

Litsky's Sweet 16% Dairy Ration

E. I. duPONT deNEMOURS & CO., 6054 DuPont Building,

Wilmington, Delaware

DU PONT TWO-SIXTY-TWO Feed Compount

EASTERN STATES FARMERS' EXCHANGE, INC., 26 Central St.,

West Springfield, Mass.

(See also Vitamin Carriers)

Alfapels

Appiwhey

Beefmix with Diethylstilbestrol

Broiler Finisher Med.

Broiler Starter Med.

Calf Saver Tablets

Calf Starter

Cashmaker Medicated

Champion

Choicemaker Medicated

EASTERN STATES FARMERS' EXCHANGE, INC., 26 Central St., West Springfield, Mass., - Cont.

Choicemaker WM Med.

Class Leader

Darimore

Fifty-Mix

Fulpail

Gee-Mix

Goalmaker Med.

Lay-Crums Med.

Lay-Mix Med.

Matchmaker Med.

Medicated Defender

Medicated Lacto-Life

Medicated Minuteman

Medicated Minuteman SQ

Medicated Sentinel

Medicated Turkey Starter F

Milkerpels 14

Milkerpels 16

Milkerpels 16-WA

Milkerpels 20

Milkmore

Milksaver

Pacemaker Med.

Pel-22 Med.

Pel-Gro Med.

Pel-Gro WM Med.

Pel-Lay Med.

Pork Builder

Pork Gainer Med.

Porklets

Porkmix

Pork Primer Med.

Poultry Wormer

Protek A Med.

Protek F Med.

Rabbettes

Rabbettes Med.

Roaster Finisher Med.

Supmix

Sweepstakes

Tastibulk

Tasti-Pels

Thriftmaker

Trim-Maker

Turkey Breeder

Turkey Finisher

Turkey Finisher C Med.

Turkey Grower

Turkey Grower C Med.

Turkey Starter Med.

ECKHART MILLING CO., 1300 W. Carroll Ave., Chicago, Ill.

Ecko Pure Wheat Bran Wheat Middlings with Ground Wheat Screenings

ELMORE MILLING CO., INC., 52 Main St., Oneonta, N. Y.

Elmore Broiler Finisher Pelleted (IN)

Elmore Bull Feed

Elmore Calf Grain Ration

Elmore Chixsaver

Elmore Chixsaver Med.

Elmore Chixsaver (IN)

Elmore Chixsaver (IS)

Elmore's Complete Calf Milk Replacer

Elmore Complete Growing Mash

Elmore Complete Growing Ration (SQ)

Elmore Complete Growing Ration Med. (2A)

Elmore Complete Laying Mash

Elmore Complete Market Egg Mash

Elmore Complete Rabbit Ration Pelleted

Elmore Complete Turkey Growing Mash

Elmore Complete Turkey Growing Mash (1S)

Elmore Complete Turkey Growing Ration (1H)

Elmore Dry & Freshening Ration

Elmore Egg Mash

Elmore Fitting Ration

Elmore Flaked Pelleted Calf Starter

Elmore Game Bird Breeder Mash

Elmore Game Bird Grower

Elmore Game Bird Grower Med.

Elmore Game Bird Grower (1H)

Elmore Game Bird Grower Med. (1S)

Elmore Game Bird Starter (1S)

Elmore Grand Champion

Elmore Hog Ration

Elmore Horse Feed

Elmore 20% Laying Mash

Elmore Makemgrow Pig Ration

Elmore Maximilk Ration

Elmore Med. Mash (Crumbles)

Elmore Milk Grains "Sixteen"

Elmore Milk Grains 20%

Elmore Pacemaker 16% Dairy Ration

Elmore Picker-Upper Mash (2A)

Elmore . 05% S.Q. Mixture

Elmore Super Broiler Ration (1N)

Elmore Super Silage

Elmore Test Ration 16%

Elmore Test Ration 18%

Elmore Turkey Finisher (Fattener)

Elmore Turkey Growing Mash (1H)

Elmore Turkey Starting Mash (1S)

JOHN W. ESHELMAN & SONS, 244 N. Queen St., Lancaster, Pa.

Lancaster 16 Dairy Feed Lancaster 20 Dairy Feed

Lancaster Scratch Grains

Pennsy Complete Laying Ration

Pennsy 16 Dairy Feed

Pennsy Laying Mash

Red Rose Breeder Mash

Red Rose Broiler Finisher

Red Rose Calf Grower

Red Rose Calf Starter

Red Rose Chick Grains

Red Rose Chick Starter Med. (110-E)

Red Rose Complete Breeder Ration

Red Rose Complete Game Bird Grower

Red Rose Complete Growing Ration

Red Rose Complete Laying Ration

Red Rose Complete Turkey Finisher

Red Rose Complete Turkey Finisher Med.

Red Rose Complete Turkey Grower

Red Rose Complete Turkey Grower Med.

Red Rose 16 Dairy Feed Red Rose 18 Dairy Feed

Red Rose Duck Grower & Breeder (Pelleted)

Red Rose Fattening Mash (Pellets)

Red Rose Fitting Ration

Red Rose Goat Ration

Red Rose Growing Mash

Red Rose Horse Feed

Red Rose Intermediate Chick Grains

Red Rose Laying Mash

Red Rose Med. T-C Feed

Red Rose Milk Replacer

Red Rose Milking Parlor Feed

Red Rose Pigeon Feed

Red Rose Porkmaker

Red Rose Rabbit Pellets

Red Rose Rumenator (Dairy Booster)

Red Rose Scratch Grains

Red Rose Starter & Grower

Red Rose 14 Test-Cow Feed

Red Rose Turkey Starter

Red Rose Wild Bird Feed

S-O-S

Solvent Extracted 41% Cottonseed Meal

EVANS MILLING CO., INC., 1730 W. Michigan St., Indianapolis, Indiana

Emco Hominy Feed

THE RAY EWING CO., 2690 E. Foothill Blvd., Pasadena, Calif.

(See also Vitamin Carriers)

All Purpose Premix

FMS INCORPORATED, Thomasville, Pa.

FMS-A A Food for baby animals

FARM BUREAU ASSOCIATION, 155 Lexington St., Waltham, Mass.

Farm Bureau Advancer

Farm Bureau Complete Grower Layer Mash Med.

Farm Bureau Dairy 16%

Farm Bureau Fitting Ration

Farm Bureau Milk Replacer

Farm Bureau Rabbit Food Pellets

FARMERS FEED CO., 375 Johnson Ave., Brooklyn, N.Y.

"Bull Brand" Brewers Dried Grains

FISH PRODUCTS CO., Fort Miles Rd., Lewes, Delaware

Smith's Lifeline Brand Fish Meal Stabilized with Food Grade Butylated Hydroxy-toluene

FISH PRODUCTS COMPANY OF NEW JERSEY, Tuckerton, N.J.

Smith's Lifeline Brand Fish Meal preserved with Food Grade Butylated Hydroxy-toluene

FLORIDA CITRUS CANNERS COOPERATIVE, Lake Wales, Fla.

Lake Wales Brand Citrus Pulp

THE FOX COMPANY, Newfield, N. J.

(See also Vitamin Carriers)

Foxco D-Activated Animal Sterol (Source of Vitamin D₃)

Foxco Qualadee A & D Feeding Oil

Foxco Vitamin Supplement 2-4-9-C

GENERAL FOODS CORP., 1551 East Willow St., Kankakee, Ill.

Burt's Hominy Feed

GENERAL MILLS, INC., Minneapolis, Minn.

Ben Hur Wheat Bran

Ben Hur Wheat Middlings with Ground Wheat Screenings

General Mills 44% Protein Solvent (Hexane) Extracted Soybean Oil Meal

General Mills 50% Protein Solvent (Hexane) Extracted Soybean Oil Meal

Purity Oat Mill By-Product

Purity Pulverized White Oats

Washburn's Gold Medal Wheat Adrian Red Dog Washburn's Gold Medal Wheat Bran with Ground Wheat Scr.

Washburn's Gold Medal Wheat Middlings with Ground Wheat Scr.

GENERAL MILLS, INC., Eastern Region, 15800 W.McNichols Rd.. Detroit 35, Michigan

Larro All Purpose Poultry Wormer

Larro Chick Grains

Larro Karmel Grist

Larro Medicated Poultry SureLift (0.11 FRZ)

Larro Medicated Poultry SureLift (.022 FRZ)

Larro Medicated Surelay Complete H-E (CS)

Larro Medicated SureLift 16

Larro Medicated SureLift 27 (FRZ)

Larro Medicated SureMilk Keto-Kurb

Larro Medicated Turkey Surelift

Larro Stock Champ

Larro SureBeef 12

Larro SureBroiler Finisher 19 (AMP-1) Med. (KC)

Larro SureBroiler Finisher 21 (AMP) Medicated

Larro SureBroiler Finisher 21 (ZOL) Medicated

Larro SureBroiler Starter 21 (AMP-1) Med. (KC) Larro SureBroiler Starter 23 (AMP) Medicated

Larro SureBroiler Starter 23 (ZOL) Medicated

Larro SureCalf

Larro SureChick

Larro SureChick (.0083 ZOL) Medicated

Larro SureGrow Complete "H-E"

Larro SureGrow Complete "H-E" (.0083 ZOL) Medicated

Larro SureLay Complete "H-E"

Larro SureLay Complete "H-E" (.00275 FRZ) Medicated Larro Surelay "H-E"

Larro SureLay "H-E" (.0055 FRZ) Medicated

Larro SureMilk 14

Larro SureMilk 16

Larro SureMilk 20

Larro SureMilk 32

Larro SureRabbit Medicated

Larro SureRaise (CHL) Medicated

Larro SureTasty 16 Pellets

Larro SureTasty 20 Pellets

Larro SureTurk Finisher Complete 16

GLOUCESTER BY-PRODUCTS, INC., Gloucester, Mass.

Globpro Brand 60% Protein Fish Meal

GOLDEN GEM GROWERS, INC., Umatilla, Florida

Golden Gems Sweet Dried Citrus Pulp

GOLDENROD OIL MEAL SALES CO., Memphis, Tenn.

Goldenrod Brand 41% Protein Cottonseed Meal - Prime Quality

W. R.GRACE & CO., Nitrogen Products Div., 147 Jefferson Ave. Memphis, Tenn.

Grace Micro Prilled Urea Feed Compound

D. H. GRANDIN MILLING CO., Jamestown, New York

Grandin's Calf Starter

Grandin's Dairy Maid 16

Grandin's 14 Fit-Fresh Produce

Grandin's 14% Fitting Ration

Grandin's Hi-Pro Pellets

Grandin's Horse Feed

Grandin's Intermediate Chick Grains

Grandin's 16 Milk Producer

Grandin's Pig & Sow Feed

Grandin's Rabbit Pellets

Grandin's Summit Test Ration

Grandin's Super Complete Grow & Lay (Pellets)

Grandin's Super Layer

THE GREAT ATLANTIC & PACIFIC TEA CO., 817-512 Nicollet Building, Minneapolis, Minn.

Daily Egg Laying Mash

GREAT STAR FLOUR MILLS, Ltd., St. Marys, Ontario, Canada Great Star Wheat Shorts

GREEN ACRE FARMS, Nazareth, Pa.

Green Acre's Brand 17% Dehydrated Alfalfa Meal with 1/2% Vegetable Fat Product

HAFFENREFFER & CO., INC., 30 Germania St., Boston 30, Mass. Haffenreffer & Co., Inc., Brewers' Dried Yeast

HALES & HUNTER CO., 141 W. Jackson Blvd., Chicago, Ill.

Pioneer Beef Fitting Ration

Pioneer Calf Starter

Pioneer Commercial Milker

Pioneer Dairy Fitting Feed

Pioneer 16 Dairy Pellets

Pioneer Dairy Production 16

Pioneer Dry and Freshening

Pioneer Hog Finisher

Pioneer Hog Finisher Concentrate

Pioneer Horse Feed

Pioneer Pelleted Flaked 15 Dairy

Pioneer Pig Gro-Pel Medicated

Pioneer Rabbit Pellets

Pioneer Sup-Pel Pellets

Pioneer Vig-R-Calf

Red Comb Breeder Mash

Red Comb Broiler Finisher

Red Comb C Flakes

Red Comb Chick Starter

Red Comb Complete Breeder

Red Comb Complete Grower

Red Comb Complete Layer 15 Medicated

HALES & HUNTER CO., 141 W. Jackson Blvd., Chicago, Ill. - Cont.

Red Comb Complete Layer 16 Medicated

Red Comb Complete Layer 17 Medicated

Red Comb Duck Developer (Pellets)

Red Comb Duck Starter (Pellets)

Red Comb Egg Mash Medicated

Red Comb Medicated Respir-Aid

Red Comb Medicated Sup-Pel

Red Comb Pioneer Wormer

Red Comb Pullet Developer

Red Comb Scratch Feed

Red Comb Turkey Broiler Finisher

Red Comb Turkey Finisher 14

Red Comb Turkey Finisher 17

Red Comb Turkey Grower 20

Red Comb Turkey Grower 23

Red Comb Turkey Starter

Red Comb 3-Way Poultry Wormer

PETER HAND FOUNDATION, 1000 W. North Ave., Chicago 22, Ill. Custom Lipamone Premix 13.34% Medicated

HARPER FEED MILLS, INC., Washington, Pa. Registered by Wm. S. Warren & Son, Eastford, Conn. Harco Milk Replacer for Young Calves

HAYWARD, INC., Oak Harbor, Ohio Dehydrated Alfalfa Meal Pellets

HI-ACRES CONCENTRATE, INC., Orlando, Florida Registered by Cocke & Co., Atlanta, Ga. Hi-Acres All Sweet Dried Citrus Pulp

HOLLY SUGAR CORP., Colorado Springs, Colorado Dried Beet Pulp and Feeding Beet Molasses

H. P. HOOD & SONS, INC., Dunedin, Florida Hood Citrus Pulp

H. P. HOOD & SONS, INC., 500 Rutherford Ave., Boston 29, Mass.

(See also Vitamin Carriers)

Calf Starter

Hood Milk Replacer for Baby Animal

Pep-Lac

Powdered Skim Milk

Whey-Lac

THE HUBINGER COMPANY, Keokuk, Iowa Ke OK uk Brand Corn Gluten Meal Ke OK uk Brand 21% Protein Corn Gluten Feed THE HUNTER MILLING CO., Wellington, Kansas

Registered by Ralston Purina Co., St. Louis, Mo.

Wheat Bran - Ground Wheat Screenings

ILLINOIS CEREAL MILLS, INC., Paris, Illinois
Hominy Feed

INDUSTRIAL MOLASSES CORP., 321 Ft. Lee Road, Leonia, N.J.

Dried Beet Pulp

INTERNATIONAL MILLING CO., 1200 Investors Building, Minn-eapolis, Minn.

Blackhawk Wheat Bran with Ground Mixed Screenings Blackhawk Wheat Middlings with Ground Mixed Screenings Target Wheat Red Dog

INTERNATIONAL STOCK FOOD CORP., 533 Broad St., Waverly, New York

Rumen Bacteria and Nux Vomica Mix Incorp. in I.S.F. Cattle Special

Rumen Bacteria Mix Incorp. in I.S.F. Grow-Em Milk Replacer

HERMAN ISACS, INC., Bridgeport, Conn.

Hi Test Meat & Bone Meal

KELLOGG CO. of CANADA, Ltd., P.O.Box 517, London, Ontario, Canada

Kellogg's Hominy Feed

KELLOGG SALES CO., Battle Creek, Mich.

Kellogg's No. 1009 Kel-Blend

Kellogg's No. 1003 Mink Conditioner

Kellogg's No. 1007 Mink Mix

Kellogg's No. 1001 Mink Ration

SPENCER KELLOGG & SONS, INC., 120 Delaware Ave., Buffalo, N.Y.

Spencer Kellogg's 32% Protein Old Process (Expeller) Linseed Oil Meal

Spencer Kellogg's 44% Protein Soybean Meal - Solvent Extracted

Spencer Kellogg's 50% Protein Soybean Meal - Solvent Extracted

KEYSTONE DEHYDRATORS, Box 204, Nazareth, Pa.

Keystone Super Green Dehydrated Alfalfa Meal with Santoquin and Animal Fat

KING MILLING CO., Lowell, Michigan King's Middlings with Screenings

KRAFT FOODS, Div. National Dairy Products Corp., 99 Park Ave. New York, N.Y.

(See also Vitamin Carriers)

Kaff-A Booster Pellets

Kaff-A Milk Replacer for Calves Medicated

Kraco Dried Whole Whey

Pex Condensed for Poultry

Pex High Lay Pellets for Layers and Breeders

Pex Self Feeder Block for Broilers

Pex Self Feeder Block for Layers and Breeders

Pex Self Feeder Block for Poultry

Pex Self Feeder Whey Block for Poultry

CHAS. A. KRAUSE MILLING CO., 404 E. State St., Milwaukee, Wis. Badger Yellow Hominy Feed

KUDER PULP SALES CO., Lake Alfred, Florida Kuder Dried Citrus Pulp, High Sugar

LAKE STATES YEAST & CHEMICAL, Div. of St. Regis Paper Co., Rhinelander, Wisconsin Dried Torula Yeast

LAUHOFF GRAIN CO., Danville, Illinois 43% Protein Expeller Soybean Cake Vermilion Hominy Feed

LAUHOFF SOYA CO., 321 E. North St., Danville, Illinois 44% Protein Solvent Extracted Soybean Oil Meal

THE LIBNER GRAIN CO., 25 Commerce St., Norwalk, Conn.

Libner's Blue Ribbon Growing Mash Libner's Blue Ribbon Horse and Calf Ration Libner's Blue Ribbon Milk Egg Mash Libner's Blue Ribbon Scratch Feed

L. B. LOVITT & CO., Memphis, Tenn. "Lovit Brand" 41% Protein Cottonseed Meal Prime Quality

MACHNICKI'S GRAIN STORE, Jewett City, Conn. Machnicki's Hi-Energy All Mash Layer Master Made Broiler Starter Medicated

MAK MORE CORP., P.O. Box 123, Clinton, Mass. Morea R_{M-30} (Liquid Feed Supplement)

THE MANITOBA SUGAR CO., Ltd., Winnipeg, Manitoba, Canada

Registered by Mowat, Wilson & Co., Detroit, Mich.

Molasses Dried Beet Pulp

MARION MILLING CO., Marion, Ohio

Cloverleaf Wheat Middlings and Ground Wheat Screenings

MAXON MILLS, INC., Wassaic, New York

Maxon 16% Dairy Maxon 18% Dairy Maxon 14% Fitting Maxon 16% Test Maxon 18% Test

McCABE GRAIN CO., LTD., 409 Grain Exchange Bldg., Winnipeg 1, Manitoba, Canada Ground Mixed Screenings

THE MENNEL MILLING CO., 128 W. Crocker St., Fostoria, Ohio Memo Pure Wheat Bran Memo Wheat Middlings with Ground Wheat Screenings

MERCK & COMPANY, INC., Rahway, N. J.

(See also Vitamin Carriers)

Amprol 25% Glycamide 12% No. 1061 Feed Supplement No. 659 Vitamin Mixture

MILLER ALFALFA CO., Mark Center, Ohio

Miller's Choice Brand Dehydrated Alfalfa Meal

MINER-HILLARD MILLING CO., Wilkes-Barre, Pa. Choice Steam Cooked Hominy Feed

MOLSON'S BREWERY, LTD., Montreal, Canada Molson's Brewers Dried Grains

GEO. Q. MOON & CO., INC., Binghamton, N. Y.

Green Acres 17% Dehydrated Alfalfa Meal (Mfg. by S & W Mills, Archbold, Ohio Moon Baby Chick Grains Moon Complete Growing Mash Moon Complete Laying Mash Moon Dairy Fitting Ration

Moon Growing Mash

Moon Growing Mash

Moon Hog Feed Moon Horse Feed GEO. Q. MOON & CO., INC., Binghamton, N.Y. - Cont.

Moon Laying Mash Moon Rabbit Pellets Moon Scratch Feed Moon Starter Mash

- JAS. F. MORSE & CO., 11 Horace St., Somerville, Mass. Morse's 47% Meat & Bone Meal
- MOWAT, WILSON & CO., 15325 W.7 Mile Rd., Detroit 35, Mich.

 Dried Beet Pulp

 Dried Beet Pulp and Beet Molasses
- MYZON LABORATORIES, 3129 West 47th St., Chicago 32, Ill.

 (See also Vitamin Carriers)

 Myzon Calf Builder

 Myzon Poultry Builder
- NAPOLEON ALFALFA MILLS, INC., Napoleon, Ohio

 Registered by Lockwood Nutrition Service, Boston, Mass.

 Evergreen Brand 17% Dehydrated Alfalfa Meal
- NAPPANEE MILLING CO., INC., Nappanee, Indiana Hominy Feed
- NATIONAL ALFALFA DEHYDRATING & MILLING CO., Lamar, Colorado

 Krumbles

National 15% Protein Dehydrated Alfalfa Meal (Pellets) National 17% Protein Dehydrated Alfalfa Meal

- NATIONAL BISCUIT CO., Toledo Mill, 2221 Front St., Toledo, Ohio

 Namico

 Pure Wheat Bran
- NATIONAL DISTILLERS PRODUCTS CO., Div. of National Distillers & Chemical Corp., 99 Park Ave., New York, N.Y.

 Corn Distillers Dried Grains

 Nadrisol Brand Corn Distillers Dried Solubles

 Produlac Brand Corn Distillers Dried Solubles with Grains
- NATIONAL VITAMIN PRODUCTS CO., 3401 Hiawatha Ave. So., Minneapolis, Minn.

Calvita (Trade Mark Reg.) Calf Formula Calvita Vealer Milk Replacer Med.

NEW JERSEY FLOUR MILLS CO., 1-11 Chester St., Clifton, N.J. Clifton Wheat Bran Jersey Flour Middlings Jersey Wheat Bran NOPCO CHEMICAL CO., 60 Park Place, Newark, N. J.

(See also Vitamin Carriers)

Hi-Lay Premix Nopco Pak EZW

Nop-Cap Special

Nopco-Pak Super Premix Code FGY

Nopdex "3000"

Super Premix Nopco-Pak EYY

THE NORTH AMERICAN TRADING & IMPORT CO., 1429 Walnut St. Philadelphia 2, Pa.

Natico Dry Cane Molasses Product

NORTHERN OHIO SUGAR CO., 1530 Sixteenth St., Denver 2, Colo.

GW Dried Beet Pulp

GW Dried Beet Pulp and Feeding Beet Molasses

OGDEN GRAIN COMPANY, Utica, New York

Ogden C. L. Special 15

Ogden C. L. Special 16

Ogden Complete Chick Starter Med.

Ogden Complete Chick Starter Med.

Ogden Complete Grower

Ogden Complete Layer Med.

Ogden Developer Feed

Ogden Econ-O-Mix 16% Dairy Feed

Ogden 16 Hi Energy Dairy Pellets

Ogden Hi Energy Growing Mash

Ogden Hi Energy Laying

Ogden Hi Energy Laying Med.

Ogden 16% Hi-Kal Dairy Pellets

Ogden Hi Value Complete Layer

Ogden Horse Feed

Ogden 20% Laying Feed

Ogden Life Span 15

Ogden Life Span 18

Ogden Medicated Complete Calf Starter

Ogden Milk Replacer

Ogden Premium Dry and Freshening Ration Ogden Premium 20% Milk Ration

Ogden Premium 14 Pel-Flake

Ogden Premium 16 Pel-Flake

Ogden Premium Test Cow 16

Ogden Premium Test Cow 18

Ogden R S 10

Ogden Rabbit Pellets

Ogden Reliable 16 Dairy Ration

Ogden Scratch Grains

Ogden Super Hi Energy Laying Feed

Ogden Super Pig Ration

OHIO BLENDERS, INC., 2404 Summit St., Toledo, Ohio

Big "O" Dehydrated Alfalfa

OLIN MATHIESON CHEMICAL CORP., Mathieson Bldg., 10 Light St., Baltimore 3, Md.

Urea - Feed Compound

PABST BREWING CO., Merchandise Mart, Chicago, Ill.

Pabst Blue Ribbon Brewers Dried Grains Pabst Yellow Hominy Feed

PARRISH & HEIMBECKER, LTD., Toronto, Montreal, Canada "Parrheim" Pure Wheat Shorts

PASCO PACKING CO., P.O. Box 97, Dade City, Florida

OMIO Citrus Pulp Sugar Sweet Citrus Pulp

PATENT CEREALS CO., Geneva, New York
Hominy Feed

PENICK & FORD LTD, INC., Cedar Rapids, Iowa

Douglas Corn Gluten Meal 21% Protein Douglas Corn Gluten Feed

PENNSYLVANIA HIDE & RENDERING CO., Div. of The Van Iderstine Co., 917 Middle St., Scranton, Pa.

Pennsylvania Meat and Bone Scraps

PERRYSBURG ALFALFA MILLS, INC., P.O. Box 187, Perrysburg, Ohio

20% Dehydrated Alfalfa Meal

THE PHILADELPHIA SEED CO., INC., Arch & Front Sts., Philadelphia 5, Pa.

Pigeonetts by Purgrain

THE PILLSBURY CO., Minneapolis 2, Minn.

Pillsbury's XX Daisy (Wheat Red Dog)
Pillsbury's Wheat Bran with Ground Wheat Screenings
Pillsbury's Wheat Middlings with Ground Wheat Screenings

PRAIRIE DEHYDRATING COMPANY, Roanoke, III.
Prairie 20% Dehydrated Alfalfa Meal

PUBLICKER INDUSTRIES, INC., 1429 Walnut St., Philadelphia, Pa.
Paco Molasses Distillers Dried Solubles

THE QUAKER OATS CO., Merchandise Mart Plaza, Chicago 54, Ill.

Muffets Shredded Wheat Feed Vim Oat Mill By-Product Yello Hominy Feed S

THE QUAKER OATS CO., P.O. Box 46, Shiremanstown, Pa.

Ful-O-Pep Calf Ration

Ful-O-Pep Calf Starter

Ful-O-Pep Chick Starter

Ful-O-Pep Chick Starter (Q2)

Ful-O-Pep Derwood Horse Crunch

Ful-O-Pep Egg Breeder Mash

Ful-O-Pep Egg Breeder Ration

Ful-O-Pep Egg Ration

Ful-O-Pep Gro-Pork (280K)

Ful-O-Pep Growing Mash

Ful-O-Pep Growing Mash (Q3)

Ful-O-Pep Growing Ration

Ful-O-Pep Growing Ration (Q1)

Ful-O-Pep High Sweet Blend L

Ful-O-Pep Horse Feed L

Ful-O-Pep Laying Mash

Ful-O-Pep Laying Ration

Ful-O-Pep Med. Super Greens (C2D1)

Ful-O-Pep Pig-N-Sow Ration

Ful-O-Pep Pig Starter (K)

Ful-O-Pep Pullet Developer

Ful-O-Pep Pullet Developer (Q1)

Ful-O-Pep Rabbit Ration (C4)

Ful-O-Pep Super Egg Breeder Ration (A) Medicated

Ful-O-Pep Super Greens

Ful-O-Pep Super Laying Ration (A) Medicated

Ful-O-Pep Super Milking Feed

Ful-O-Pep Super Milking 32

Quaker Sugared Schumacher Feed

QUAKER OATS CO. of CANADA LTD., Peterborough, Ontario, Canada

Peterborough Oat Mill By-Product Yellow Hominy Feed

RALSTON PURINA CO., 835 S. Eighth St., St. Louis, Mo.

Checkerboard Pasture Ration L

Custom Breeder

Custom Breeder (Arbor Acre)

Custom Developer

Custom Developer (Arbor Acre)

Custom Developer ZO Med.

Custom Developer ZO Med. (Arbor Acre)

Custom Grower

Gustom Grower (Arbor Acre)

Custom Grower ZO Med.

Custom Grower ZO Med. (Arbor Acre)

Northeastern Scratch Feed (for Pullets)

41% Protein Solvent Extracted Cottonseed Meal

44% Protein Solvent Extracted Soybean Oil Meal

Purina Aureomyciu-Eits

Purina B & M Cow Chow

Purina B & M Cow Chow G

RALSTON PURINA CO., 835 S. Eighth St., St. Louis, Mo. - Cont.

Purina Baby Pig Chow Medicated

Purina Breeder Eggena NE

Purina Breeder Lay Chow

Purina Breeder Layena (Complete Ration)

Purina Broiler Chow Medicated

Purina Broiler Chow MP Medicated

Purina Broiler Chow UN Medicated

Purina Broiler Chow Finisher No. 1 AB NC Medicated

Purina Broiler Chow Finisher No. 1 Med. with Dienestrol Diacetate

Purina Broiler Chow Finisher No. 1 BI Med. with Dienestrol Diacetate

Purina Broiler Chow Finisher No. 1 UN Med.

Purina Broiler Chow Finisher (E) No. 1 Med.

Purina Broiler Chow Finisher (E) No. 1 AB Med.

Purina Broiler Chow Finisher (E) No. 1 AB BI Med.

Purina Broiler Chow Finisher (E) No. 1 MP Med.

Purina Broiler Chow Finisher (E) No. 1 NON

Purina Broiler Chow Finisher No. 2

Purina Broiler Chow Starter Med.

Purina Broiler Chow Starter AB NC Med.

Purina Broiler Chow Starter (G) AB NC Med.

Purina Broiler Chow Starter MP Med.

Purina Broiler Chow Starter NC Med.

Purina Broiler Finisher No. 2

Purina Bulky Las

Purina Calf Startena

Purina Calf Startena (Coarse)

Purina Capena MP Medicated

Purina Chick Chow (Coarse)

Purina Chick Chow (Fine)

Purina Chick Growena

Purina Chick Growena ZO Medicated

Purina Chick Growing Chow

Purina Chick Startena

Purina Chick Startena ZO Medicated

Purina Complete Sow Chow

Purina Cow Chow D 16%

Purina Cow Chow D (B) 16% Purina Cow Chow D (F) 16%

Purina Cow Chow D 20%

Purina Cow Chow Concentrate 32%

Purina Cow Chow Concentrate 36%

Purina D & F Chow

Purina D & F Chow (Coarse)

Purina Dairy Chow L 14% (Coarse)

Purina Dairy Chow L 16%

Purina . 0023% Dienestrol Diacetate in Purina Broiler Chow Finisher No. 1 E Medicated

Purina .0023% Dienestrol Diacetate Mixture in Purina Broiler Chow Finisher No. 1 (E) Bl Medicated

Purina Duck Breeder Layena

Purina Duck Growena

RALSTON PURINA CO., 835 S. Eighth St., St. Louis, Mo. - Cont.

Purina Duck Startena

Purina Eggena

Purina Eggena NE

Purina Fitting Ration B

Purina Fox Chow

Purina Game Bird F & M Chow

Purina Game Bird Finisher

Purina Game Bird Startena

Purina Game Bird Startena SQ

Purina Goat Chow (Coarse)

Purina Goat Chow Checkers

Purina Hog Finisher No. 1 Medicated

Purina Lay Chow

Purina Layena (Complete Ration)

Purina Meat Pullet Fattening Chow BI Medicated

Purina Medicated Chek-R-Aid

Purina Medicated D & F Chow D (Coarse)

Purina Medicated Poultry Aid

Purina Milk Chow D 16%

Purina Milk Chow D 16% (Coarse)

Purina Milk Chow D 20%

Purina Milk Chow D 20% (Coarse)

Purina Mink Breeder Chow

Purina Mink Developer Chow

Purina Mink Developer Chow SF

Purina Mix-R-Mycin Medicated

Purina Nursing Chow

Purina Omolene

Purina Pig Growena Medicated

Purina Pig-Plus

Purina Pig Startena Medicated

Purina Pigeon Chow Checkers

Purina Poultry Booster Chow

Purina Poultry Wormer

Purina 36% Protein Cottonseed Meal

Purina Pullet Developer F

Purina Pullet Developer (F) UN Medicated

Purina Pullet Developer (F) ZO Medicated

Purina Rabbit Chow Checkers

Purina Rabbit Chow Checkers (20%)

Purina Rabbit Chow Checkers (Complete Ration)

Purina Rabbit Chow Checkers (Complete Ration) SQ Med.

Purina Rabbit Chow Checkers NF SQ Medicated

Purina Rabbit Chow Checkers NF SQ (Complete Ration) Med.

Purina Rabbit Chow Checkers SQ Medicated

Purina Rabbit Chow Checkers WO

Purina Range Checkers

Purina Roaster Chow

Purina Roaster Chow BI Med. with Dienestrol Diacetate

Purina Roaster Chow MP Medicated

Purina Roaster Chow NC Med. with Dienestrol Diacetate

Purina Silage Preserver

Purina Special Steer Fatena 32%

RALSTON PURINA CO., 835 S. Eighth St., St. Louis, Mo. - Cont.

Purina Special Steer Fatena 32% with Diethylstilbestrol

Furina Squab Broiler Chow Medicated

Purina Squab Broiler Chow MP Medicated

Purina Squab Broiler Chow 3NC

Purina Super Breeder Layena (Complete Ration)

Purina Super Layena (Complete Ration)

Purina Turkey Breeder Layena

Purina Turkey Breeder Layena HZ Medicated

Purina Turkey Broiler Finisher

Purina Turkey Finisher No. 1

Purina Turkey Finisher No. 1 HZ Medicated

Purina Turkey Finisher No. 2

Purina Turkey Finisher No. 2 HZ Medicated

Purina Turkey Growena No. 1

Purina Turkey Growena No. 1 HS Medicated

Purina Turkey Growena No. 1 SQ Medicated

Purina Turkey Growena No. 2

Purina Turkey Growena No. 2 HS Medicated

Purina Turkey Growena No. 2 SQ Medicated

Purina Turkey Pre-Starter

Purina Turkey Startena

Purina Turkey Startena HS Medicated

Purina Turkey Startena SQ Medicated

Wheat Bran with Ground Wheat Screenings (Mfg. by Hunter Milling Co., Wellington, Kansas)

Wheat Germ Meal (Mfg. by National Biscuit Co., Toledo, Ohio)

READING MILLING CO., INC., Reading, Pa.

Faramel All Mash Layer

Faramel All Mash Grower

Faramel Rabbit Food Pellets

RUSSELL MILLER-KING MIDAS MILLS, Milling Div. of F. H. Peavey & Co., Minneapolis 15, Minn.

Occident Wheat Bran

Occident Wheat Germ Meal

Occident Wheat Middlings with Ground Wheat Screenings

Occident Wheat Red Dog

Occident Wheat Shorts with Ground Wheat Screenings

WOLF SAVITSKY & SONS, INC., Foot of White St., Shelton, Conn.

Wolf's Broiler Finisher Medicated

Wolf's Calf Starter

Wolf's Complete Hi-Eff Egg-Breeder Mash Medicated

Wolf's Complete Hi-Eff Growing Mash

Wolf's Complete Hi-Eff Profit Builder Medicated

Wolf's Complete Hi-Eff Profit Builder Medicated AR SQ

Wolf's 14% Dairy Ration

Wolf's 16% Dairy Ration

Wolf's Dry and Freshening Ration

Wolf's Egg Mash

WOLF SAVITSKY & SONS, INC., Foot of White St., Shelton, Conn. - Cont.

Wolf's Hi-Speed Starter & Broiler Ration - Medicated

Wolf's Horse Feed

Wolf's Performolas

Wolf's Pig & Hog Feed

Wolf's Super Hi-Eff Starter and Broiler Ration - Medicated

Wolf's 16% Test Ration

Wolf's 16% Test Ration Pellets

Wolf's 18% Test Ration

SCHENLEY DISTILLERS, INC., 350 Fifth Ave., New York, N.Y.

Corn Germ Meal (Dry Milled)

Schenley Mark of Merit Corn Distillers Dried Grains with Solubles

Schenley Mark of Merit Milo Distillers Dried Grains with Solubles

Schenley's Soludri Corn Distillers Dried Solubles

SCHOENECK FARMS, INC., Nazareth, Pa.

Schoeneck's Super Green Dehydrated Alfalfa Meal

SCHWAB BROS. MILLS, INC., New Bavaria, Ohio

Dehydrated Bavaria Brand Alfalfa Meal 17%

SEA BOARD SUPPLY CO.,35th & Grays Ferry Ave., Philadelphia 46, Pennsylvania

Dried Tomato Pomace

SEA-BORN, Mineral Div. of Skod Co., 15 E. Elm St., Greenwich, Connecticut

Sea-Born (Norwegian Seaweed Meal)

Sea-Born (Norwegian Seaweed Meal) Special Fine Grind

SEACOAST PRODUCTS, INC., Ft. Miles Road, Lewes, Delaware

Smith's Lifeline Brand Fish Meal Preserved with (Food Grade) Butylated-Hydroxy-Toluene

JOSEPH E. SEAGRAM & SONS, INC., 375 Park Ave., New York, N. Y.

Seagram's Corn Distillers Dried Grains 24%

Seagram's Corn Distillers Dried Grains 26%

Seagram's Corn Distillers Dried Solubles

SEYMOUR GRAIN & COAL CO., 100 Main St., Seymour, Conn.

Hi-Q 16% Dairy

Miracle 14% Calf Grower

Miracle Dairy 16%

Miracle Fitting Ration

Miracle Hi-Efficiency Grower

Miracle Hi-Energy All Mash Layer

Miracle Horse Feed

SEYMOUR GRAIN & COAL CO., 100 Main St., Seymour, Conn. - Cont.

Miracle 20% Laying Mash Miracle Scratch Feed Pasture Mix See-More Milk Dairy Ration See-More Milk Dairy Ration

THE SHERWIN-WILLIAMS CO., 101 Prospect Ave., N. W. Cleveland, Ohio

Sherwin-Williams 34% Linseed Oil Meal (Solvent Extracted) Sherwin-Williams 44% Protein Soybean Oil Meal (Solvent Extracted)

- SHERWOOD FEED MILLS, INC., Baltimore, Maryland Sherwood Brewer's Dried Grains
- SOUTHERN FRUIT DISTRIBUTORS, INC., Orlando, Florida Bluebird Citrus Pulp
- A, E. STALEY MFG. CO., Decatur, Illinois

Hi-Pro-Con 50% Protein Dehulled Solvent Extracted Soybean 44% Protein Solvent Extracted Staley's RSoybean Meal Rockland Guinea Pig Diet Rockland Rabbit Ration (A Complete Ration) "Staley's" 21% Corn Gluten Feed

F. W. STOCK & SONS, INC., Hillsdale, Michigan Stock's Wheat Bran Stock's Wheat Middlings

SUNI-CITRUS PRODUCTS CO., Haines City, Florida Registered by Cocke & Co., Atlanta 3, Ga. Sweet Suni-Citrus Pulp

SUNSHINE BISCUITS, INC., Milling Div., Grafton, Ohio UMC Wheat Bran - Pure Wheat Bran UMC Wheat Middlings (with Ground Screenings not exceeding Mill Run)

SWIFT & CO., P.O. Box 110, Fostoria, Ohio

Swift's 44% Protein Solvent Extracted Soybean Meal Swift's 41% Solvent Prime Quality Solvent Extracted Cottonseed Meal or Pellets Swift's Super Soy - 50% Protein Dehulled Solvent Extracted Soybean Meal

THE T. H. TAYLOR CO., LTD., Chatham, Ontario, Canada Beaver Wheat Bran

TRI ASSOCIATES, INC., 8500 Pillsbury Ave., So., Minneapolis, Minnesota

(See also Vitamin Carriers)

M.R. 50 Brand Milk Replacer Tri's Grade A Brand Milk Replacer

TROPICANA PRODUCTS, INC., Bradenton, Florida

Tropicana's Sweetest Dried Citrus Pulp

ULTRA-LIFE LABORATORIES, INC., East St. Louis, Illinois

34% Protein Solvent Extracted Linseed Oil Meal

Ultra-Life Beef Gro

Ultra-Life Calf Food Pellets Medicated

Ultra-Life Freshertone

Ultra-Life High Energy Poultry

Ultra-Life Livestock

UNITED CO-OPERATIVE FARMERS, INC., 339 Broad Street, Fitchburg, Mass.

Co-Op 16%

UCF Booster - 100 Medicated

UCF Booster NF 100 Medicated

UCF Calf Starter

UCF 16% Dairy UCF 18% Dairy

UCF 20.% Dairy

UCF Fitting Ration

UCF Grower

UCF Hi NRG All Mash Breeder

UCF Hi NRG All Mash Grower

UCF Hi NRG All Mash Grower Medicated

UCF Hi NRG All Mash Layer

UCF Hi NRG Broiler Finisher

UCF Hi NRG Broiler Finisher Medicated

UCF Hi NRG Broiler Starter Medicated

UCF Hi NRG Starter Medicated, SQ

UCF Hi NRG Starter Medicated, Zoalene

UCF Horse Feed

UCF Layer

UCF Medicated Booster 200

UCF Medicated Booster NF 200

UCF Medicated HI-PO 200

UCF Milk Replacer

UCF Pig and Hog Feed

UCF Sheep Creep Ration Pellets Aureomycin

UCF Succulent Dairy

U.S. INDUSTRIAL CHEMICALS CO., Div. of National Distillers & Chemical Corp., 99 Park Ave., New York 16, N.Y.

Morea Liquid Feed Pre-Mix No. 875

UNITY FEEDS INC., 177 Milk St., Boston, Mass.

Unity Dairy and Fitting Ration
Unity Growing and Laying Mash
Unity High Energy Breeder Mash
Unity High Energy Laying Mash
Unity 16% Milkets
Unity Pig and Hog Ration
Unity Super Starter Medicated
Unity Trim Medicated

Unity Turkey and Game Bird Growing Mash

UNIVERSAL GRAIN CO. OF NEW JERSEY, 425 South Street, Newark, New Jersey

Superior Cow Brand Brewers Dried Grains

GEORGE URBAN MILLING CO., 332 N.Oak St., Buffalo 3, N.Y.
Wheat Middlings with Gr. Screenings not exceeding Mill Run

HIRAM WALKER & SONS, INC., Peoria, Illinois
Corn Distillers Dried Grains with Solubles

WM. S. WARREN & SON, Eastford, Conn.

Harco Milk Replacer for Young Calves (Mfg.by Harper Feed Mills, Inc., Washington, Pa.)

Warren's Calf Starter

Warren's Complete Growing Mash Warren's Complete Laying Mash Warren's Dairy Fitting Ration Warren's Dairy Pellets (No. 1) Warren's 16% Dairy Pellets (No. 2) Warren's 20% Dairy Pellets (No. 1)

Warren's 16% Dairy Ration Warren's 16 Dairy Ration

Warren's 20% Laying Mash

Warren's Milk Maker 15 Dairy Ration

Warren's Royal 16

Warren's Test Cow 16 (with Pellets)
Warren's Test Cow 20 (with Pellets)

Warren's Test Cow 16% Dairy (with Pellets)

WATERTOWN CO-OP. ASSN., INC., Watertown, Conn. Watertown Co-Op Assn. 16% Dairy Feed

H. K. WEBSTER COMPANY, Lawrence, Mass.

Blue Seal All-Mash Breeder's Ration

Blue Seal All-Mash Egg Ration Medicated

Blue Seal All-Mash Grow and Lay

Blue Seal All-Mash Grow and Lay SQ Medicated

Blue Seal All-Mash Growing Ration Medicated

Blue Seal All-Mash Growing Ration SQ Medicated

Blue Seal All-Mash Pullet Framer

H. K. WEBSTER COMPANY, Lawrence, Mass. - Cont.

Blue Seal C-4 Broiler Medicated

Blue Seal Calf Starter

Blue Seal Chick Feed

Blue Seal Chick Starter Medicated

Blue Seal Coarse 16 Dairy Ration

Blue Seal Coarse 20 Dairy Ration

Blue Seal Dairy Nuggets

Blue Seal Egg Mash

Blue Seal Fat and Finish Ration Pellets

Blue Seal C-5 Finisher Medicated

Blue Seal Fitting Ration

Blue Seal 770 Grower

Blue Seal 770 Grower SQ Med.

Blue Seal Horse Feed

Blue Seal 880 Layer

Blue Seal Medicated CW-Mix Medicated

Blue Seal Medicated NF-Mix

Blue Seal Medicated Oro-Chick P/F

Blue Seal Medicated Oro-Mix

Blue Seal Medicated SQ-Mix

Blue Seal Milk Replacer

Blue Seal Milkers Sixteen

Blue Seal Milkers' Twenty (Pellets)

Blue Seal Pig Feed Medicated

Blue Seal Poultry and Turkey Fitting

Blue Seal Poultry Wormer

Blue Seal Producer's Grow and Lav

Blue Seal Rabbit Pellets Medicated

Blue Seal Standard "16" Dairy Ration

Blue Seal Standard "20" Dairy Ration

Blue Seal Standard "14" Fitting Ration

Blue Seal Succulent Feed and Calving Ration

Blue Seal Super Breeder's Mash

Blue Seal Super Breeder's Mash Medicated

Blue Seal Test Ration

Blue Seal Turkey Growing (Pellets)

Blue Seal Turkey Growing Medicated

WEST-NESBITT, INC., Oneonta, New York

All Pure Milk Ration

Cream Line Dairy Test Ration

Cream Line 16% Pellets

Pure Feed Broiler Starter Medicated

Pure Feed Calf Grower

Pure Feed Complete Grower

Pure Feed Complete Layer

Pure Feed Complete Rabbit Pellets

Pure Feed 16% Dairy Ration

Pure Feed Dairy Test Ration

Pure Feed Egg and Breeder

Pure Feed Egg Maker

Pure Feed 14% Fitting Ration

Pure Feed Grower

WEST-NESBITT, INC., Oneonta, New York - Cont.

Pure Feed Horse Ration

Pure Feed St arter Medicated

Pure Feed Sweet "16"

Pure Feed Swine Ration

Pure Feed Turkey Finisher

Pure Feed Turkey Grower

Pure Feed Turkey Starter Medicated

West-Nesbitt Milk Replacer

A. C. WETHERELL, Suffield, Conn.

Special No. 3 Dairy Ration

THE GEO. WIEDEMANN BREWING CO., 601 Columbia Street, Newport, Kentucky

Brewers Dried Grain

WILSON'S CORN PRODUCTS, INC., East 4th St., Rochester, Ind.

Wilson's Hominy Feed

WIRTHMORE FEEDS INC., 343 Winter St., Waltham, Mass.

(See also Vitamin Carriers)

Apex 16% Dairy Feed

Producer All Pellet 16 Dairy Feed

Red Seal All Pellet 16% Dairy Feed

Rex Wheat Bran

Rex Wheat Standard Middlings

Wirthmore All Pellet 16% Dairy Feed

Wirthmore All Pellet 20% Dairy Feed

Wirthmore Baby Chick Scratch

Wirthmore Big W All Pellet 16 Dairy Feed

Wirthmore Big W All Pellet 20 Dairy Feed

Wirthmore Big W 16 Dairy Feed Wirthmore Big W 20 Dairy Feed

Wirthmore Big W Silage Preservative

Wirthmore Breeder Mash

Wirthmore Cage Layer Medicated

Wirthmore Calf Starter

Wirthmore Calving Feed

Wirthmore Chick Starter

Wirthmore Chick Starter 400 Medicated

Wirthmore Chick Starter 417 Medicated

Wirthmore Coarse Test Dairy Feed

Wirthmore Coccidiosis Treatment Ration 411

Wirthmore Commercial Grower Layer

Wirthmore Commercial Hi-Ener-G Breeder Medicated

Wirthmore Commercial Hi-Ener-G Broiler Ration

Wirthmore Commercial Hi-Ener-G Broiler Ration A608, Med.

Wirthmore Commercial Hi-Ener-G Broiler Ration 613 Med.

Wirthmore Commercial High Calorie Broiler Starter 610 Med.

WIRTHMORE FEEDS INC., 343 Winter St., Waltham, Mass. - Cont. Wirthmore Commercial High Calorie Broiler Starter A607 Med. Wirthmore Complete Breeder Wirthmore Complete Egg Ration Wirthmore Complete Egg Ration Medicated Wirthmore Complete Growing Ration Wirthmore Complete Growing Ration Medicated Wirthmore Complete Turkey Breeder Ration Wirthmore Complete Turkey Fattening Ration Wirthmore Complete Turkey Fattening Ration (Pellets) Wirthmore Complete Turkey Growing Ration Wirthmore Complete Turkey Growing (Pellets) Ration 442 Med. Wirthmore 14 Dairy Feed Wirthmore 16 Dairy Feed Wirthmore 20 Dairy Feed Wirthmore 36% Dairy Mixing Feed Wirthmore 30 Dairy Supplement Wirthmore 32 Dairy Supplement Wirthmore FW Complete Growing Ration Wirthmore FW Complete Growing Ration 407 Medicated Wirthmore Finisher Med. with . 007% Dienestrol Diacetate Wirthmore Fodder Greens 9% Wirthmore Fodder Greens 10% Wirthmore Game Bird Grower Ration Wirthmore Game Bird Starter Medicated Wirthmore Grow and Egg Mash Wirthmore Grow and Egg Mash 415 Medicated Wirthmore 14 Hi-Cal Pellets Dairy Feed Wirthmore 16 Hi-Cal Pellets Dairy Feed Wirthmore 18 Hi-Cal Pellets Dairy Feed Wirthmore Hi-Ener-G 16 Wirthmore Hi-Ener-G Breeder Medicated Wirthmore Hi-Ener-G Layer Wirthmore Hi-Ener-G Layer Medicated Wirthmore Hog Grower Wirthmore Horse Feed Wirthmore Improved Hi-Ener-G Broiler Ration 414 Wirthmore Improved Hi-Ener-G Broiler Ration A434 Med. Wirthmore Improved Hi-Ener-G Starter and Broiler Ration Wirthmore Meatless Mink Food Wirthmore Medicated 200 Wirthmore Medicated Ketrol Wirthmore Medicated Pig Zip for Swine only Wirthmore Medicated Quick Perk Wirthmore Medicated Quickies Wirthmore Medicated Treat 431 Wirthmore Medicated Turk-E-Perk Wirthmore Milk Mizer Wirthmore Mink Food Wirthmore New Hope Complete Horse Feed Wirthmore New Hope Horse Feed

Wirthmore O.P.M. Scratch Wirthmore Pig and Sow Feed Wirthmore Pig Zip Medicated

WIRTHMORE FEEDS INC., 343 Winter St., Waltham, Mass. - Cont.

Wirthmore 36% Poultry Concentrate

Wirthmore Poultry Fitting

Wirthmore Poultry Wormer

Wirthmore Rabbit Pellets

Wirthmore Rabbit Pellets Medicated

Wirthmore 16 Record Dairy Feed

Wirthmore 18 Record Dairy Feed

Wirthmore 14 Record Fitting Feed

Wirthmore Roaster Finisher

Wirthmore Roaster Finisher Medicated

Wirthmore Roaster Finisher A436 Medicated

Wirthmore Roaster Finisher LP

Wirthmore Roaster Finisher LP 423 Medicated

Wirthmore Roaster Finisher LP A 440 Medicated

Wirthmore Scratch

Wirthmore Squab Broiler Z 450 Medicated

Wirthmore Stock Primer

Wirthmore Super Pellets

Wirthmore Turkey Breeder Developer

Wirthmore Turkey Breeder Developer Medicated

Wirthmore Turkey Growing Ration

Wirthmore Turkey Growing Ration Medicated

Wirthmore Turkey Starter Medicated

Wirthmore Twin Mix Calf Feed

Wirthmore 16 Ultra-Cal Pellets Dairy Feed

THE YANTIC GRAIN & PRODUCTS CO., 3 Cove St., Norwich, Conn.

(See also Vitamin Carriers)

Big Y Calf and Beef Ration

Big Y Calf Starter and Builder

Big Y Calving Ration

Big Y Chick Scratch Grain

Big Y Chlortetracycline Aureomycin Mixture

Big Y Complete Grower Layer Mash

Big Y Confinement Growing Mash

Big Y Controlled Growing Ration

Big Y Dairy and Fitting Ration (Coarse)

Big Y 16% Dairy Ration

Big Y 18% Dairy Ration Big Y 20% Dairy Ration

Big Y Dairy Ration Hi-G

Big Y Dairy Ration 14 Purity No. Filler (Coarse)

Big Y Dairy Ration 16 Purity

Big Y Dairy Supplement 32%

Big Y Energized 16 Dairy Feed

Big Y Extra Production Laying Mash Medicated

Big Y Extra Production Laying Mash Medicated FZ

Big Y Fitting Ration

Big Y Hi-Efficiency Grower

Big Y High Efficiency Grower Medicated

Big Y Hi-Efficiency Laying Mash

Big Y Hi-Efficiency Laying Mash 12000 Vit. A

THE YANTIC GRAIN & PRODUCTS CO., 3 Cove St., Norwich, Conn.-Cont.

- Big Y Hi-G Scratch Feed
- Big Y Histostat Mixture Mixed with Big Y Turkey Fattener
- Big Y Histostat Mixture Mixed with Big Y Turkey Growing Feed (Pellets)
- Big Y Hog and Pig Ration
- Big Y Horse Feed
- Big Y Improved Al-Mo
- Big Y Improved Broiler and Starter Ration Medicated
- Big Y Improved Broiler Finisher
- Big Y Improved Broiler Finisher Medicated
- Big Y Improved Broiler Finisher Medicated with Nicarbazin
- Big Y Improved Broiler Ration Med.
- Big Y Improved Turkey Starter and Game Bird Feed
- Big Y Improved Turkey Starter Medicated
- Big Y Intermediate Chick Grain
- Big Y 20% Laying Mash
- Big Y 20% Laying Mash (NF 180)
- Big Y M & O Growing Feed
- Big Y Peerless Broiler and Starter Ration
- Big Y Peerless Broiler Ration Medicated
- Big Y Poultry Fitting Ration
- Big Y Powerhouse Crumbles Medicated
- Big Y Pre-Starter Medicated
- Big Y Pre-Starter Medicated with Nicarbazin
- Big Y Rabbit Pellets
- Big Y Rabbit Pellets SQ Medicated
- Big Y Scratch Feed
- Big Y Sheep and Goat Feed
- Big Y Station Fattener Pellets
- Big Y Stock Feed
- Big Y Super Broiler and Starter Ration Medicated
- Big Y Super Starter and Broiler Ration
- Big Y Super Starter Ration Medicated
- Big Y Supreme Laying Mash
- Big Y Supreme Laying Mash (Contains NF-180)
- Big Y Test Cow Ration
- Big Y Turkey Fattener (Pellets)
- Big Y Turkey Growing Feed (Pellets)
- Big Y Worming Mash

YIELDMOR FEEDS, INC., Piqua, Ohio

David Small's Broiler Feed Medicated

David Small's Chick Starter

David Small's Finisher Pellets

David Small's Finishing Feed Medicated

David Small's Hi-Energy Layer Grower Mash

David Small's Hi-Energy Breeder

David Small's Sex Link Layer Mash

Yieldmor Broiler Booster Medicated

Yieldmor Chick Starter

Yieldmor 16% Growing Mash

Yieldmor 16% Growing Mash Medicated

Yieldmor Hi-Energy Layer Grower Mash

YIELDMOR FEEDS, INC., Piqua, Ohio - Cont.

Yieldmor High Efficiency All Mash Breeder

Yieldmor 24% Super Broiler Medicated, Amprolium

Yieldmor 24% Super Broiler Medicated, FZ

Yieldmor 24% Super Broiler Medicated, Nicarbazin

Yieldmor Super Finisher Pellets Medicated

Yieldmor Super Finisher Pellets Medicated, Nicarbazin

MEYER ZAUSNER INC., New Holland, Pa.

Zausner Condensed Whole Whey

WITAMIN CARRIERS

BEACON MILLING CO., Cayuga, New York

(See also Feeds)

Be-Co-Nurse Milk Replacer

COMMERCIAL SOLVENTS CORP., 260 Madison Ave., N. Y. 16, N. Y.

(See also Feeds)

B-Y-21 Riboflavin Supplement

DARI-DRI CO., Div. of Milk Specialties Inc., Dundee, Ill.

Dari-Dri Baby Calf Formula Animal Feed

DAWE'S LABORATORIES, INC., 4800 S.Richmond St., Chicago, Ill.

(See also Feeds)

Dawe's Fermentation Flavonne No. 1 Special Broiler Mix No.571-D File No. 2436-A Medicated

DAWNWOOD FARMS, Amenia, New York

(See also Feeds)

Dawnwood Farms Caf-Star (Formula Feed for Calves) 25% Dawnwood Farms Caf-Star (Formula Feed for Calves) 26% Dawnwood Farms Hi Fat Milk Replacer Caf-Star (Formula Feed for Calves)

EASTERN STATES FARMERS' EXCHANGE, Inc., 26 Central St., W. Springfield, Mass.

(See also Feeds)

Calfsaver Tablets

THE RAY EWING CO., 2690 E. Foothill Blvd., Pasadena, Calif.

(See also Feeds)

All Purpose Pre-Mix

THE FOX COMPANY, Newfield, New Jersey

(See also Feeds)

Foxco D-Activated Animal Sterol

Foxco Qualadee A & D Feeding Oil

Foxco Vitamin Supplement 2-4-9-C

H. P. HOOD & SONS INC., 500 Rutherford Ave., Boston 29, Mass.

(See also Feeds)

Pep-Lac

Whey-Lac Poultry Feed

KRAFT FOODS, Div. National Dairy Products Corp., 99 Park Ave., New York, N.Y.

(See also Feeds)

Kaff-A Booster Pellets

Kaff-A Milk Replacer for Calves Medicated

Pex Condensed for Poultry

Pex - High Lay Pellets for Layers and Breeders

Pex Self Feeder Block for Broilers

Pex Self Feeder Block for Layers and Breeders

Pex Self Feeder Block for Poultry

MARINE PRODUCTS CO., 339 W. First St., Boston 27, Mass.

Vitamin A & D Feeding Oil

MERCK & CO., INC., Chemical Div., Rahway, New Jersey

(See also Feeds)

No. 659 Vitamin Mixture

No. 1061 Feed Supplement

MYZON LABORATORIES, 3129 W. 47th St., Chicago 32, Ill.

(See also Feeds)

Myzon Calf Builder

Myzon Poultry Builder

NATIONAL VITAMIN PRODUCTS CO., 3401 Hiawatha Ave., So. Minneapolis, Minn.

(See also Feeds)

Calvita (Trade Mark Reg.) Calf Formula

NOPCO CHEMICAL CO., 60 Park Place, Newark, N.J.

(See also Feeds)

Capstress

Niacin 50%

Nop-Cap, Special

Nopco-Pak Hi-Lay Premix

Nopco-Pak Super Premix Medicated Nopdex "3000"

CHAS. PFIZER & CO., INC., 630 Flushing Ave., Brooklyn, N.Y.

6 / Vitamin

High Lay Premix

Pfizer R-4 Riboflavin Supplement

Triple-Biotic Mix

STABILIZED VITAMINS, INC., 142 Monroe St., Garfield, N.J.

Perma-D-3000

Perma-Mix C. C. C. No. 1

Perma-Mix C.C.C. No. 2

Perma-Mix C.C.C. No. 3

Perma-Mix C. C. C. No. 4 Broilers

STANDARD BRANDS INC., Special Products Div., Agricultural Dept. 625 Madison Ave., New York 22, N.Y.

Fleischmann's FIDY Type 142-F Irradiated Dry Yeast

TRI ASSOCIATES, INC., 8500 Pillsbury Ave. So., Minneapolis, Minn.

(See also Feeds)

M.R. 50 Brand Milk Replacer

Tri's Grade A Brand Milk Replacer

VITARON CHEMICAL MFG. CO., INC., 142 Monroe St., Garfield, New Jersey

Vitaron Vitamin A and D Feeding Oil

WHITMOYER LABORATORIES, INC., Myerstown, Pa.

Derby All Purpose Premix

Flav-A-Dee

Machnicki Premix No. 2

Machnicki Premix No. 2A

Machnicki Vitamin Premix

Whitmoyer 150D - 1500A Pure Cod Liver Oil

WIRTHMORE FEEDS, INC., 343 Winter St., Waltham, Mass.

(See also Feeds)

Wirthmore Milk Food

730

In the calendar year 1961, a total of 1,589 samples - 124 more than the previous year - was examined. This total included official samples of commercial feeds, carriers of vitamin D and other vitamins, and miscellaneous materials as shown in the following summary:

Biological specimens analyzed for poison	182
Check feeds, A. A. F. C.O.	12
Commercial feeding stuffs, official samples	730
Miscellaneous feeds, etc., analyzed for purchasers	142
Pasture grass and feedstuffs for Storrs Station	447
Vitamin carriers	76
	1,589

Samples examined for Storrs Station are in connection with investigations carried on by that Station and are not discussed in this report.

Commercial Feeding Stuffs

Results of our analyses of the official samples can be summarized as follows:

Total number of samples

Total number of samples	150
Samples deficient in: one item 90 two items 4	94
Percentage of samples meeting guaranties	87
Total guaranties made	2,329 ²
Guaranties not met: protein 31 fat 50 fiber 3 amprolium 1 arsanilic acid 5 copper sulphate 1 furazolidone 3 Nicarbazin 1 Phenothiazine 2 p-ureidobenzenearsonic acid 1	98
Percentage of guaranties met	96

The proportion of samples meeting all guaranties was slightly lower than in 1960 (87as against 88 per cent), but the overall percentage of satisfactory guaranties was identical for the two years. The most satisfactory change was the improvement with regard to drugs: There were only 14 drug deficiencies in 1961 as against 31 in 1960.

² Four samples with six guaranties, 16 with five guaranties, 107 with four guaranties, 597 with three guaranties, one with two guaranties, four with one guaranty, and one with no guaranty (guaranties for undetermined medicants not included).

Analyses are given in Table 1; deficiencies are shown by wavy underlining (\(\sigma_\sigma_\). Tolerances used were 0.75 per cent for protein and fiber, 0.25 per cent for fat, and \(\frac{1}{2}\) 20 per cent of guaranty for drugs.

Vitamin Carriers

Fifty-eight samples of vitamin D carriers were assayed for this vitamin by official methods, using day-old White Leghorn chicks for poultry feed supplements and white rats of the Osborne-Mendel strain for supplements for four-footed animals. Twenty-four of these samples also guaranteed and were tested for two or three additional vitamins (riboflavin and niacin, with or without calcium pantothenate), and results for these vitamins are included in Table 2 under the respective samples. This table also lists 18 samples that were not assayed for vitamin D but whose guaranties for one to four other vitamins were checked by microbiological methods.

All except four of the vitamin D samples fully met their guaranties for this vitamin - a passing ratio of 93 per cent.

On the basis of a 20 per cent tolerance, the numbers of samples containing either too little or too much of the other vitamins were as follows:

Deficient in	No. of samples	
Calcium pantothenate, niacin, riboflavin and thiamine	1	
Calcium pantothenate, niacin and riboflavin	1	
Niacin, riboflavin and thiamine	:) 1	
Calcium pantothenate and niacin	2	
Calcium pantothenate and riboflavin	3	
Niacin and thiamine	1	
Calcium pantothenate	1	
Riboflavin	8 18	8

Of the total of 76 samples, 55, or 72 per cent, met all guaranties.

Miscellaneous Feeds

One hundred and forty-two unofficial samples of feed and fodder materials were examined. This total included commercial mixed feeds and feed ingredients submitted by dealers and consumers, samples of hay and silage whose analysis was requested by farmers, and miscellaneous materials suspected of having been poisoned. A check analysis of one feed was run at the request of the Massachusetts Agricultural Experiment Station, and one sample of a commercial test cow ration was analyzed for the State Supervisor of Purchases.

Several samples were submitted because they were suspected of having caused illnesses or deaths of animals, but nothing deleterious was found in any commercial feed. One sample of silage did contain cyanide, a sample of hay contained an excessive proportion of nitrate (equivalent to 1.37 per cent of potassium nitrate), some grain suspected of being a rodent bait contained 50 parts per million of barium, and a trace of cyanide was found in a hamburg bait.

Twenty-three samples of grass and hay analyzed for DDT for farmers showed minor proportions of this insecticide, ranging from none to 8.6 parts per million and averaging 1.7 p.p.m.; two of these samples also contained an average of 46 p.p.m. of methoxychlor. One sample of corn from a field that had been dusted with DDT was also analyzed for this insecticide at the request of the owner to see if it would be safeto ensile it and feed it to steers. Analysis showed only 3.8 parts per million of DDT, which is within the permitted limit for forage for non-dairy animals.

Biological Specimens Examined for Poisons

One hundred and eighty-two biological specimens (of which the great majority came from veterinarians) were examined in connection with suspected poisoning, mostly of domestic animals and poultry. In 66 of them, poisonous substances were found in sufficient quantity to suggest possible causes of illness or death.

The poisonous materials, and the number of specimens in which they were found, are summarized as follows: Antimony (1); arsenic (1); arsenic with barium (1); arsenic with lead (lead arsenate) (2); barium (2); barium with cadmium and zinc (1); boron (boric acid) (1); boron with mercury and zinc (1); chlordane (1); chromium (1); chromium with lead (1); chromium with mercury (1); cyanide (5); cyanide with lead (2); DDT (14), dieldrin (3); lead (13); lead with zinc (1); mercury (6); mercury with zinc (1); nitrate (1); parathion (1); phosphorus (1); strychnine (1) and thallium (3). As usual, lead was the predominant poison, with 19 cases.

It should be noted that 11 of the 14 DDT cases listed above represented earthworms from experimentally sprayed plots analyzed for Dr. C. C. Doane of our Entomology Department; the only cases of accidental DDT poisoning found during 1961 were one lot of brook trout (57 parts per million of DDT), some polliwogs (8 micrograms DDT per polliwog), and one bird (whose viscera contained 9.3 p.p.m. of the DDT metabolic product DDE and 0.4 p.p.m. of unconverted DDT). The chlordane case was that of a kitten (2.6 p.p.m. in the liver, more than 16 p.p.m. in the kidney); the three dieldrin cases were bees (2-5 p.p.m.); the parathion was found in a pig (27 p.p.m. in the liver); and the strychnine case was that of a dog. Of the three thallium cases, two were dogs, while the third (non-fatal) one was that of a small girl who had eaten some of the blue-dyed thallium-impregnated peanuts sold as a mole poison under the name of "Mo-Go"; her urine was found to contain 0.027 part per million of thallium.

Check Feeds

Twelve feeds were analyzed in the check feed program sponsored by the Association of American Feed Control Officials.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Protein									
No.				6.25)					
L C	Manufacturer and brand		Guaran-	·····					
Station	Manuacturer and brand		teed not						
tat		Moist-	less						
S		ure	than	Found					
	ACME-EVANS CO., INC.								
	Indianapolis, Indiana								
4951	Acme Wheat Bran	12.32	14.00	14.00					
1 1	Acme Wheat Middlings with	12, 52	14.00	14.00					
	Ground Wheat Screenings	11.64	14.00	16.13					
5308	Acme Yellow Hominy Feed	11.61	9.00	10.00					
	ALDEDG MILLING GO D.								
	ALBERS MILLING CO., Div. of Carnation Co., Los Angeles								
	36, Calif.								
5405	Albers Calf Manna	9.86	25.00	25. 25					
5302	Albers Rabbit Breeder Paks	9.74	15.00	16.50					
1	Albers Rabbit Family Ration	10.34	18.00	19.00					
	Albers Spur	10.47	25.00	26. 25 25. 50					
4702	Albers Suckle	0.43	24.00	25,50					
	AMERICAN CRYSTAL SUGAR CO. E. Grand Forks, Minn.								
5366	Plain Dried Beet Pulp	10.15	8.50	8,63					
	AMERICAN CYANAMID CO., Agricultural Div., N. Y. 20, N. Y.								
4653	Cyrea Urea Feed Compound		262.00	271.00					
	AMERICAN FEED CO. New York 53, N.Y.								
5389	AFCO Wafer Meal	7.36	10.00	10.00					
	AMERICAN MAIZE-PRODUCTS CO., Roby, Indiana								
5407	Cream of Corn Gluten Feed	11.00	21.00	21.75					
	ANHEUSER-BUSCH, INC. St. Louis, Mo.								
4703	Brewers' Dried Grains	9.43	26.00	30.25					
	ARCHER-DANIELS-MIDLAND CO. Minneapolis 2, Minn.								
5266	Archer Quality 34% Protein Linseed Oil Meal	11.24	34.00	36.50					

Fat		ा ।	ber	
Guaran-		Guaran-		Medicants
teed not less		teed not more		
than	Found	than	Found	
3.00	3.51	9.50	9.05	
3.00 7.00	4.19 8.07	9.50 6.00	8.17 3.55	
3.00	2.90	6.00	5, 25	,
2.00 2.50 2.00	1.69 2.54 2.48	22.00 16.00 13.00	20.42 15.48 9.40	
5.00	7.37	0.50	0.29	
0.30	0.36	22.00	17.85	
8.50	10.25	2.00	0.92	
2.00	2.66	9.50	4.16	
6.00	6.06	17.00	10.24	
0.50	1.90	10.00	8.92	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Manufacturer and brand					
ATLANTIC PROCESSING CO. Amagansett, N. Y. 5421 Smith's Life Line Fish Meal 5518 B'w CANNING CO., INC., Groveland, Florida 5518 B'n W Brand Dried Citrus Pulp THE BEACON MILLING CO., Cayuga, N. Y. 5310 Beacon Balancer Pellets Beacon Broiler Finisher NCA, Medicated 5744 Beacon Broiler Finisher UN3, Medicated 5744 Beacon Calf Grow Ration 5320 Beacon Complete Rabbit Pellets 5723 Beacon Complete Starter NC Med. 5723 Beacon Dairy Fitting 5370 Beacon Duck Breeder 5394 Beacon Duck Starter 5394 Beacon Duck Starter 5394 Beacon Egg Check A Medicated 5700 Beacon Egg Check A Medicated 5700 Beacon Egg Check A Medicated 5701 Beacon Goat Ration 5702 Beacon Grower All-Mash 5712 Beacon Grower All-Mash 5722 Beacon Grower All-Mash 5723 Beacon Grower All-Mash 5724 Beacon Grower All-Mash 5725 Beacon Grower All-Mash 5726 Beacon Grower All-Mash 5727 Beacon Grower All-Mash 5728 Beacon Grower All-Mash 5729 Beacon Grower All-Mash 5720 Beacon Grower All-Mash 5721 Beacon Grower All-Mash 5722 Beacon Grower All-Mash 5723 Beacon Grower All-Mash 5724 Beacon Grower All-Mash 5725 Beacon Grower All-Mash 5726 Beacon Grower All-Mash 5727 Beacon Grower All-Mash 5728 Beacon Hi-Energy Test Pel-ets 5729 Beacon Hi-Energy Test Pel-ets				l.	1
ATLANTIC PROCESSING CO. Amagansett, N. Y. 5421 Smith's Life Line Fish Meal 5518 B' W CANNING CO., INC., Groveland, Florida 5518 B'n W Brand Dried Citrus Pulp THE BEACON MILLING CO., Cayuga, N. Y. 5310 Beacon Balancer Pellets Beacon Broiler Finisher NCA, Medicated 5744 Beacon Broiler Finisher UN3, Medicated 5744 Beacon Calf Grow Beacon "15"Coarse Test Cow Ration 5723 Beacon Complete Rabbit Pellets 5723 Beacon Complete Starter NC Med. 5744 Beacon Dairy Fitting 5370 Beacon Duck Breeder 5394 Beacon Duck Starter 5394 Beacon Duck Starter 5394 Beacon Egg Check A Medicated 5700 Beacon Egg Check A Medicated 5700 Beacon Egg Check A Medicated 5700 Beacon Egg Check A Medicated 5700 Beacon Goat Ration 5700 Beacon Goat Ration 5700 Beacon Grower All-Mash 5712 Beacon Grower All-Mash 5722 Beacon Grower All-Mash 5723 Beacon Grower All-Mash 5724 Beacon Grower All-Mash 5725 Beacon Grower All-Mash 5726 Beacon Grower All-Mash 5727 Beacon Grower All-Mash 5728 Beacon Hi-Energy Test Pel-ets 5729 Beacon Hi-Energy Test Pel-ets	Ž			$(N \times 6)$. 25)
ATLANTIC PROCESSING CO. Amagansett, N. Y. 5421 Smith's Life Line Fish Meal 5518 B' W CANNING CO., INC., Groveland, Florida 5518 B'n W Brand Dried Citrus Pulp THE BEACON MILLING CO., Cayuga, N. Y. 5310 Beacon Balancer Pellets Beacon Broiler Finisher NCA, Medicated 5744 Beacon Broiler Finisher UN3, Medicated 5744 Beacon Calf Grow Beacon "15"Coarse Test Cow Ration 5723 Beacon Complete Rabbit Pellets 5723 Beacon Complete Starter NC Med. 5744 Beacon Dairy Fitting 5370 Beacon Duck Breeder 5394 Beacon Duck Starter 5394 Beacon Duck Starter 5394 Beacon Egg Check A Medicated 5700 Beacon Egg Check A Medicated 5700 Beacon Egg Check A Medicated 5700 Beacon Egg Check A Medicated 5700 Beacon Goat Ration 5700 Beacon Goat Ration 5700 Beacon Grower All-Mash 5712 Beacon Grower All-Mash 5722 Beacon Grower All-Mash 5723 Beacon Grower All-Mash 5724 Beacon Grower All-Mash 5725 Beacon Grower All-Mash 5726 Beacon Grower All-Mash 5727 Beacon Grower All-Mash 5728 Beacon Hi-Energy Test Pel-ets 5729 Beacon Hi-Energy Test Pel-ets	l g	Manufacturer and brand		1	
ATLANTIC PROCESSING CO. Amagansett, N. Y. 5421 Smith's Life Line Fish Meal 5518 B'w CANNING CO., INC., Groveland, Florida 5518 B'n W Brand Dried Citrus Pulp THE BEACON MILLING CO., Cayuga, N. Y. 5310 Beacon Balancer Pellets Beacon Broiler Finisher NCA, Medicated 5744 Beacon Broiler Finisher UN3, Medicated 5744 Beacon Calf Grow Ration 5320 Beacon Complete Rabbit Pellets 5723 Beacon Complete Starter NC Med. 5723 Beacon Dairy Fitting 5370 Beacon Duck Breeder 5394 Beacon Duck Starter 5394 Beacon Duck Starter 5394 Beacon Egg Check A Medicated 5700 Beacon Egg Check A Medicated 5700 Beacon Egg Check A Medicated 5701 Beacon Goat Ration 5702 Beacon Grower All-Mash 5712 Beacon Grower All-Mash 5722 Beacon Grower All-Mash 5723 Beacon Grower All-Mash 5724 Beacon Grower All-Mash 5725 Beacon Grower All-Mash 5726 Beacon Grower All-Mash 5727 Beacon Grower All-Mash 5728 Beacon Grower All-Mash 5729 Beacon Grower All-Mash 5720 Beacon Grower All-Mash 5721 Beacon Grower All-Mash 5722 Beacon Grower All-Mash 5723 Beacon Grower All-Mash 5724 Beacon Grower All-Mash 5725 Beacon Grower All-Mash 5726 Beacon Grower All-Mash 5727 Beacon Grower All-Mash 5728 Beacon Hi-Energy Test Pel-ets 5729 Beacon Hi-Energy Test Pel-ets	ţ	IVILLIA CONTROL CITA DE CITA		1	
ATLANTIC PROCESSING CO. Amagansett, N. Y. 5421 Smith's Life Line Fish Meal 5518 B'w CANNING CO., INC., Groveland, Florida 5518 B'n W Brand Dried Citrus Pulp THE BEACON MILLING CO., Cayuga, N. Y. 5310 Beacon Balancer Pellets Beacon Broiler Finisher NCA, Medicated 5744 Beacon Broiler Finisher UN3, Medicated 5744 Beacon Calf Grow Ration 5320 Beacon Complete Rabbit Pellets 5723 Beacon Complete Starter NC Med. 5723 Beacon Dairy Fitting 5370 Beacon Duck Breeder 5394 Beacon Duck Starter 5394 Beacon Duck Starter 5394 Beacon Egg Check A Medicated 5700 Beacon Egg Check A Medicated 5700 Beacon Egg Check A Medicated 5701 Beacon Goat Ration 5702 Beacon Grower All-Mash 5712 Beacon Grower All-Mash 5722 Beacon Grower All-Mash 5723 Beacon Grower All-Mash 5724 Beacon Grower All-Mash 5725 Beacon Grower All-Mash 5726 Beacon Grower All-Mash 5727 Beacon Grower All-Mash 5728 Beacon Grower All-Mash 5729 Beacon Grower All-Mash 5720 Beacon Grower All-Mash 5721 Beacon Grower All-Mash 5722 Beacon Grower All-Mash 5723 Beacon Grower All-Mash 5724 Beacon Grower All-Mash 5725 Beacon Grower All-Mash 5726 Beacon Grower All-Mash 5727 Beacon Grower All-Mash 5728 Beacon Hi-Energy Test Pel-ets 5729 Beacon Hi-Energy Test Pel-ets	ita				
Amagansett, N. Y. 5421 Smith's Life Line Fish Meal B & W CANNING CO., INC., Groveland, Florida 5518 B'n W Brand Dried Citrus Pulp THE BEACON MILLING CO., Cayuga, N. Y. 5310 Beacon Balancer Pellets Beacon Broiler Finisher NCA, Medicated 5744 Beacon Broiler Finisher UN3, Medicated 11. 49 5395 Beacon Calf Grow Beacon "15" Coarse Test Cow Ration 5320 Beacon Complete Rabbit Pellets 5723 Beacon Complete Starter NC Med. 5723 Beacon Duck Starter Beacon Duck Starter Beacon Egg Check A Medicated 11. 00 5306 Beacon Egg Check A Medicated 5307 Beacon Egg Check A Medicated 5308 Beacon Grower All-Mash Beacon Grower All-Mash Beacon Grower All-Mash NC Med. 5309 Beacon Grower All-Mash NC Med. 5309 Beacon Hi-Energy Test Pel-ets 10. 91 16.00 16.75	[0]		ure	than	Found
B & W CANNING CO., INC., Groveland, Florida B'n W Brand Dried Citrus Pulp THE BEACON MILLING CO., Cayuga, N. Y. 5310 Beacon Balancer Pellets Beacon Broiler Finisher NCA, Medicated 5744 Beacon Broiler Finisher UN3, Medicated 11. 49 20. 00 20. 00 20. 50 11. 49 20. 00 20. 50 11. 66 20. 00 20. 00 11. 56 15. 00 17. 50 18. 00 18. 25 17. 00 17. 50 18. 00 18. 75 18. 00 18. 75 18. 00 18. 75 18. 00 18. 75 18. 00 18. 75 18. 00 18. 75 18. 00 1					
Groveland, Florida Sin W Brand Dried Citrus Pulp 4.09 6.00 6.50	5421	Smith's Life Line Fish Meal	7.51	60.00	64. 75
THE BEACON MILLING CO., Cayuga, N. Y. Beacon Balancer Pellets Beacon Broiler Finisher NCA, Medicated 5744 Beacon Broiler Finisher UN3, Medicated 11. 49 20. 00 20. 00 20. 50 11. 49 20. 00 20. 50 11. 66 20. 00 20. 00 11. 66 20. 00 20. 00 11. 56 15. 00 15. 25 17. 00 18. 05 18. 00 19. 00 1					
Cayuga, N. Y. Salon Salo	5518	B'n W Brand Dried Citrus Pulp	4.09	6.00	6.50
5719 Beacon Broiler Finisher NCA, Medicated 11.49 20.00 20.50 5744 Beacon Broiler Finisher UN3, Medicated 11.66 20.00 20.00 5395 Beacon Calf Grow Ration 11.56 15.00 15.25 5320 Beacon Complete Rabbit Pellets Beacon Complete Starter NC Med. 9.45 17.00 17.00 5723 Beacon Dairy Fitting Beacon Duck Breeder 10.29 17.00 18.75 5394 Beacon Duck Starter 10.76 18.00 18.00 5664 Beacon Egg Check A Medicated 10.66 15.00 15.00 5700 Beacon Egg Check A Medicated 11.04 15.00 15.00 4763 Beacon Goat Ration 13.07 11.30 16.00 17.00 5397 Beacon Grower All-Mash 11.30 16.00 16.25 5722 Beacon Grower All-Mash NC Med. 11.71 16.00 16.00 5399 Beacon Hi-Energy Test Pel-ets 10.91 16.00 16.75		·			
5744 Beacon Broiler Finisher UN3, Medicated 11.49 20.00 20.50 5395 Beacon Calf Grow Ration 11.56 15.00 15.25 5320 Beacon Complete Rabbit Pellets Beacon Complete Starter NC Med. 9.45 17.00 17.00 5370 Beacon Dairy Fitting Beacon Duck Breeder Beacon Egg Check A Medicated 10.29 17.00 18.75 5394 Beacon Egg Check A Medicated 11.04 15.00 15.00 5700 Beacon Egg Check A Medicated 11.04 15.00 15.00 5700 Beacon Goat Ration Beacon Grower All-Mash DC Med. 11.19 22.00 22.75 5397 Beacon Grower All-Mash NC Med. 11.71 16.00 16.00 5399 Beacon Hi-Energy Test Pel-ets 10.91 16.00 16.75			9. 71	20.00	20.00
Beacon Broiler Finisher UN3, 11.66 20.00 20.00	311)	· · · · · · · · · · · · · · · · · · ·	11.49	20.00	20.50
Medicated 11.66 20.00 20.00					
Medicated 11.66 20.00 20.00		•			
5568 Beacon "15" Coarse Test Cow Ration 11.56 15.00 15.25 5320 Beacon Complete Rabbit Pellets Beacon Complete Starter NC Med. 9.45 17.00 17.00 4643 Beacon Dairy Fitting Beacon Duck Breeder Beacon Duck Starter Beacon Duck Starter Beacon Egg Check A Medicated Beacon Goat Ration Beacon Goat Ration Beacon Grower All-Mash Beacon Grower All-Mash Beacon Grower All-Mash NC Med. 11.9 22.00 22.75 5399 Beacon Hi-Energy Test Pel-ets 10.91 16.00 16.75	5744	·	11.66	20.00	20.00
5568 Beacon "15" Coarse Test Cow Ration 11.56 15.00 15.25 5320 Beacon Complete Rabbit Pellets Beacon Complete Starter NC Med. 9.45 17.00 17.00 4643 Beacon Dairy Fitting Beacon Duck Breeder Beacon Duck Starter Beacon Duck Starter Beacon Duck Starter Beacon Egg Check A Medicated Beacon Goat Ration Beacon Goat Ration Beacon Grower All-Mash Beacon Grower All-Mash Beacon Grower All-Mash NC Med. 11.19 22.00 22.75 5399 Beacon Hi-Energy Test Pel-ets 10.91 16.00 16.75					
5568 Beacon "15" Coarse Test Cow Ration 11.56 15.00 15.25 5320 Beacon Complete Rabbit Pellets Beacon Complete Starter NC Med. 9.45 17.00 17.00 4643 Beacon Dairy Fitting Beacon Duck Breeder Beacon Duck Starter Beacon Duck Starter Beacon Duck Starter Beacon Egg Check A Medicated Beacon Goat Ration Beacon Goat Ration Beacon Grower All-Mash Beacon Grower All-Mash Beacon Grower All-Mash NC Med. 11.19 22.00 22.75 5399 Beacon Hi-Energy Test Pel-ets 10.91 16.00 16.75					
Ration 11.56 15.00 15.25 5320 Beacon Complete Rabbit Pellets 9.45 17.00 17.00 5723 Beacon Complete Starter NC Med. 11.91 22.00 21.75 4643 Beacon Dairy Fitting 12.16 14.00 14.00 5370 Beacon Duck Breeder 10.29 17.00 18.75 5394 Beacon Duck Starter 10.76 18.00 18.00 5664 Beacon Egg Check A Medicated 10.66 15.00 15.00 5700 Beacon Egg Check A Medicated 11.04 15.00 15.00 4763 Beacon Goat Ration 11.30 16.00 17.00 5471 Beacon Goat Ration 11.30 16.00 17.00 5397 Beacon Grower All-Mash 11.42 16.00 16.25 5722 Beacon Grower All-Mash NC Med. 11.71 16.00 16.00 5399 Beacon Hi-Energy Test Pel-ets 10.91 16.00 16.75	E.		11.15	17.00	17.50
5320 Beacon Complete Rabbit Pellets 9.45 17.00 17.00 5723 Beacon Complete Starter NC Med. 11.91 22.00 21.75 4643 Beacon Dairy Fitting 12.16 14.00 14.00 5370 Beacon Duck Breeder 10.29 17.00 18.75 5394 Beacon Duck Starter 10.76 18.00 18.00 5664 Beacon Egg Check A Medicated 10.66 15.00 15.00 5700 Beacon Egg Check A Medicated 11.04 15.00 15.00 4763 Beacon "22" Egg Mash 11.19 22.00 22.75 5471 Beacon Goat Ration 11.30 16.00 17.00 5397 Beacon Grower All-Mash 11.42 16.00 16.25 5722 Beacon Grower All-Mash NC Med. 11.71 16.00 16.00 5399 Beacon Hi-Energy Test Pel-ets 10.91 16.00 16.75	3300		11.56	15.00	15. 25
4643 Beacon Dairy Fitting 12.16 14.00 14.00 5370 Beacon Duck Breeder 10.29 17.00 18.75 5394 Beacon Duck Starter 10.76 18.00 18.00 5664 Beacon Egg Check A Medicated 10.66 15.00 15.00 5700 Beacon Egg Check A Medicated 11.04 15.00 15.00 4763 Beacon "22" Egg Mash 11.19 22.00 22.75 5471 Beacon Goat Ration 11.30 16.00 17.00 5397 Beacon Grower All-Mash 11.42 16.00 16.25 5722 Beacon Grower All-Mash NC Med. 11.71 16.00 16.00 5399 Beacon Hi-Energy Test Pel-ets 10.91 16.00 16.75	5320				
5370 Beacon Duck Breeder 10.29 17.00 18.75 5394 Beacon Duck Starter 10.76 18.00 18.00 5664 Beacon Egg Check A Medicated 10.66 15.00 15.00 5700 Beacon Egg Check A Medicated 11.04 15.00 15.00 4763 Beacon "22" Egg Mash 11.19 22.00 22.75 5471 Beacon Goat Ration 11.30 16.00 17.00 5397 Beacon Grower All-Mash 11.42 16.00 16.25 5722 Beacon Grower All-Mash NC Med. 11.71 16.00 16.00 5399 Beacon Hi-Energy Test Pel-ets 10.91 16.00 16.75	5723		11.91	22.00	21.75
5370 Beacon Duck Breeder 10.29 17.00 18.75 5394 Beacon Duck Starter 10.76 18.00 18.00 5664 Beacon Egg Check A Medicated 10.66 15.00 15.00 5700 Beacon Egg Check A Medicated 11.04 15.00 15.00 4763 Beacon "22" Egg Mash 11.19 22.00 22.75 5471 Beacon Goat Ration 11.30 16.00 17.00 5397 Beacon Grower All-Mash 11.42 16.00 16.25 5722 Beacon Grower All-Mash NC Med. 11.71 16.00 16.00 5399 Beacon Hi-Energy Test Pel-ets 10.91 16.00 16.75	4643	Beacon Dairy Fitting	12.16	14.00	14.00
5664 Beacon Egg Check A Medicated 10.66 15.00 15.00 5700 Beacon Egg Check A Medicated 11.04 15.00 15.00 4763 Beacon "22" Egg Mash 11.19 22.00 22.75 5471 Beacon Goat Ration 11.30 16.00 17.00 5397 Beacon Grower All-Mash 11.42 16.00 16.25 5722 Beacon Grower All-Mash NC Med. 11.71 16.00 16.00 5399 Beacon Hi-Energy Test Pel-ets 10.91 16.00 16.75	1		10.29		
5700 Beacon Egg Check A Medicated 11.04 15.00 15.00 4763 Beacon "22" Egg Mash 11.19 22.00 22.75 5471 Beacon Goat Ration 11.30 16.00 17.00 5397 Beacon Grower All-Mash 11.42 16.00 16.25 5722 Beacon Grower All-Mash NC Med. 11.71 16.00 16.00 5399 Beacon Hi-Energy Test Pel-ets 10.91 16.00 16.75	5394				18.00
4763 Beacon "22" Egg Mash 11. 19 22. 00 22. 75 5471 Beacon Goat Ration 11. 30 16. 00 17. 00 5397 Beacon Grower All-Mash 11. 42 16. 00 16. 25 5722 Beacon Grower All-Mash NC Med. 11. 71 16. 00 16. 00 5399 Beacon Hi-Energy Test Pel-ets 10. 91 16. 00 16. 75	5664	Beacon Egg Check A Medicated	10.66	15.00	15.00
5471 Beacon Goat Ration 11.30 16.00 17.00 5397 Beacon Grower All-Mash 11.42 16.00 16.25 5722 Beacon Grower All-Mash NC Med. 11.71 16.00 16.00 5399 Beacon Hi-Energy Test Pel-ets 10.91 16.00 16.75	5700	Beacon Egg Check A Medicated	11.04	15.00	15.00
5471 Beacon Goat Ration 11.30 16.00 17.00 5397 Beacon Grower All-Mash 11.42 16.00 16.25 5722 Beacon Grower All-Mash NC Med. 11.71 16.00 16.00 5399 Beacon Hi-Energy Test Pel-ets 10.91 16.00 16.75	4763	Beacon "22" Egg Mash	11.19	22.00	22.75
5722 Beacon Grower All-Mash NC Med. 11.71 16.00 16.00 5399 Beacon Hi-Energy Test Pel-ets 10.91 16.00 16.75	5471	Beacon Goat Ration			
5399 Beacon Hi-Energy Test Pel-ets 10.91 16.00 16.75					4
	5722	Beacon Grower All-Mash NC Med.	11.71	16.00	16.00
	5399	Beacon Hi-Energy Test Pel-ets	10.91	16.00	16.75

Fat		Fi	ber	
Guaran- teed not less than	Found	Guaran- teed not more than	Found	Medicants
5.00	9. 74	3.00	0.00	
3.00	1,84	13.00	11.96	
3.00	4.00	6.00	4.29	
5.00	6.00	4.00		Nicarbazin: Guar., 0.0125%; found, 0.0140%. Arsanilic acid: Guar., 0.009%; found, 0.0091%.
5.00	5.93	4.00		Acetyl (para-nitrophenyl) sul- fanilamide: Guar., 0.03%; found, 0.027%. 3-Nitro-4- hydroxyphenylarsonic acid: Guar., 0.005%; found 0.0048%. 3,5-Dinitrobenzamide: Guar., 0.025%; found, 0.026%.
3.00	3.23	9.00	6.85	0. 023 /0, 10dfld, 0. 020 /0.
4.00 3.50 3.50	4.19 3.82 3.79	8.00 13.00 5.00	6.21 11.54 3.50	Nicarbazin: Guar., 0.01%; found, 0.0112%.
3.25 3.00 3.00 2.50	3.37 5.19 3.62 2.88	9.00 7.00 6.50 6.00	6.10 5.39 4.52 3.09	Arsanilic acid: Guar., 0.009%;
2.50	4.19	6.00	3.21	found, 0.0095%. Arsanilic acid: Guar., 0.009%;
3.50 3.00 3.50 3.50	3.41 3.40 3.74 3.89	6.00 10.00 6.00 6.00	3.56 6.97 4.95 4.50	found, 0.0103%. Nicarbazin: Guar., 0.01%; found, 0.0116%.
4.00 3.00	4.11 3.24	7.00	6.33 6.27	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

o			Protein				
No.		(N x 6.25) Guaran-					
on	Manufacturer and brand		teed not				
Station	Manufacturer and brand	Moist-	less				
Sta		ure	than	Found			
6090	Beacon 0.01% Iodinated Casein						
00,0	Mix with Beacon Duck Grower						
	Finisher	11.59	15.50	16.00			
5665	Beacon Market Egg All-Mash A		15.00	17.00			
	Medicated	10.71	17.00	17.00			
5475	Beacon Medicated Booster Pellets	10.08	20.00	21.50			
5475	Deacon Medicated Dooster 1 ellers	10.00	20.00				
5398	Beacon Medicated Poultry Mix 2CT	11.30	20.00	21.25			
5463	Beacon Milk Check "16" Dairy		1/ 00	12.25			
	Ration	11.94	16.00	17.75			
5567	Beacon Milk Check "18" Dairy Ration	11.99	18.00	19.00			
5396	Beacon Milk Check "20" Dairy	11. //	10.00	17.00			
3390	Ration	12.12	20.00	21.50			
5472	Beacon Milk Check Fitting Ration	11.26	14.00	15.50			
5961	Beacon Sodium Propionate Pel-ets	11.26	16.00	16.00			
		1,, 07	22 00	24 00			
5727	Beacon Starter-Broiler NCA, Med.	11.07	23.00	24.00			
4641	Beacon Sweet "16" Dairy Ration	11.88	16.00	16.00			
5367	Beacon "18" Test Cow Ration	12.04	18.00	18.00			
5473	Beacon Turkey Breeder All-Mash	10.84	20.00	20.50			
5461	Beacon Turkey Finisher All-Mash		18.00	17.00 20.00			
4644	Beacon "20" Turkey Grower Beacon Turkey Starter SQA Med.	11.68	28.00	27.75			
5643	Beacon Turkey Starter SQA Med.	10.01	20.00				
				1.4.05			
5474	Be-Co Grower	11.11	14.00	14.00			
5368	Be-Co Lass Be-Co Nurse Milk Replacer	13.26	10.00 24.00	10.00			
5400	THE BERKMAN GRAIN CO.,	1.1/	1 2.00				
	North Franklin, Conn.						
		10.47	18.00	18.00			
5509	Nibco 18% Dairy Ration Nibco Fitting Ration	11.71	14.00	14. 75			
5724		11.17	16.00	18.50			
7,21							
5732	,			15.50			
	Crumbles	10.21	16.00	17.50			
			<u></u>	1			

F	at	Fib	er	
Guaran- teed not less		Guaran- teed not more		Medicants
than	Found	than	Found	
				•
2.75	4.65	6.50	4.81	
3.50	4.46	5.00	2.38	Arsanilic acid: Guar., 0.009%; found, 0.0095%.
4.00	4.29	9.00	7.82	Chlortetracycline hydrochloride: Guar., 0.10 gm/lb.;
3.00	3.71	5.75	4.39	
3.50	4.32	9.00	6.58	
3.50	3.65	9.00	9.00	
3.50 3.25 3.50	3.74 3.57 3.78	9.00 10.00 8.00	7.51 6.38 6.41	Sodium Propionate: Guar.,
5.00	4.47	4.00	2, 23	2.5%; not determined. Nicarbazin: Guar., 0.0125%; found, 0.0128%. Arsanilic acid: Guar., 0.009%, found, 0.0100%.
3.50 4.00 3.50 3.00 3.00 3.50	3.74 4.10 4.96 4.09 3.69 3.86	8.50 8.50 5.75 5.50 5.50 4.00	6.41 7.10 4.40 2.75 3.60 3.70	Sulfaquinoxaline: Guar.,0.0175% found, 0.0141%. Arsanilic
3.00	3.49	8.00	6.91	acid: Guar., 0.009%; found 0.0097%.
2.00	2.25	12.00	9. 73 0. 07	
4.00 4.00 4.50	4.64 4.97 5.11	8.00 8.00 3.50	8.00 7.35 2.27	Nicarbazin: Guar., 0.010%; found, 0.0110%.
4.50	6.89	3.00	2.11	Nicarbazin: Guar., 0.010%; found, 0.0102%.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

			Prot	ein
Station No.			(Nx	
l g	Manufacturer and brand		Guaran-	
ţ;			teed not	
ita		Moist-	less	- 1
100		ure	than	Found
5733	Nibco Five Star Roaster Feed Crumbles	11.12	16.00	17.25
5734	Nibco Five Star Super Starter	11.15	25.00	24.50
5511 5745	Nibco Five Star Weight Maker Nibco Five Star Weight Maker	10.61	22.00	22.00
5731	Nibco Five Star Weight Maker Med	10.92	22.00	22. 25
4775	Nibco Medicated Booster Feed	11.96	20.00	21.50
4778 4774 5647		11. 25 11. 31 11. 56	15.50 16.00 20.00	16.50 16.00 19.00
	BLATCHFORD CALF MEAL CO., Waukegan, Illinois			
5350	Blatchford's Calf Meal	4.84	24.00	25.50
	THE BLOOMFIELD FARMERS' EXCHANGE, INC., Bloomfield, Conn.			
5152 5159	Bloomfield 16% Dairy Ration Bloomfield 16% Dairy Ration	11.76 11.82	16.00 16.00	16.00 16.00
	BROOKLAWN GRAIN & FEED CO. Bridgeport, Conn.			
3223	Brooklawn 16% Dairy Ration	11.76	16.00	18.13
3222 3221	Brooklawn High Energy Layer Brooklawn Sweet Mix	11.56	18.00 16.00	18.50 18.13

Fat		Fil	per	
Guaran- teed not		Guaran- teed not		Medicants
less than	Found	more than	Found	
4.50	6.02	3.00		Nicarbazin: Guar., 0.010%; found, 0.0118%. Dienestrol diacetate: Guar., 0.0023%; not determined.
7.00	8.53	2.50	2.00	Nicarbazin: Guar., 0.010%; found, 0.0110%. 3-Nitro-4- hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0049%.
6.00	7.94	2.50	1.95	
6.00	7.01	2.50		Nicarbazin: Guar., 0.010%; found, 0.0126%. 3-Nitro-4- hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0046%.
6.00	8.50	2.50	1.95	Nicarbazin: Guar., 0.010%; found, 0.0104%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0046%. Dienestrol diacetate: Guar., .0023%; not determined.
3.00	6.18	4.50	2.59	Oxytetracycline: Guar., 200gm per ton; not determined.
3.00	3.54	6.00	4.44	per ton, not determined.
3.00	5.00 5.57	4.00 4.00	2.30 3.50	Sulfaquinoxaline: Guar., 0.015% found, 0.0128%.
2.00	3.80	5.00	4.27	
3.50 3.50	4.01 3.69	8.00 8.00	6.67 5.01	
4.00 4.00 3.50	2.88 3.61 3.00	9.00 5.00 9.00	5. 43 4. 71 5. 87	

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	TABLE 1. ANALYSES OF COMMERCIAL FEEDS								
Station No.	Manufacturer and brand	Moist- ure	Prot (N x 6 Guaran- teed not less than	. 25)					
,	BROWN-FORMAN DISTILLERS CORP., Louisville, Ky.								
3211 5439	B-F Corn Distillers Dried Grains B-F Corn Distillers Solubles	7.91 8.72	23.00 24.00	24.00 28.00					
	CALVERT MILLING CO. Hoytville, Ohio								
5361	17% Dehydrated Alfalfa Meal CAMDEN GRAIN CO.	8,61	17.00	18.50					
4622	Camden, N.J. Camden Brand Dried Brewers! Grain	7. 29	24.00	22.75					
	CAMP MILLING CO., INC. Walton, N.Y.			~~~					
4826	Camp's Milk Replacer for Calves and Pigs	6,00	21.00	22. 75					
4895	CANADA LINSEED OIL MILLS, LTD., Montreal, Canada Maple Leaf 34% Protein Expeller Linseed Oil Meal Grits CARGILL, INCORPORATED Minneapolis 15, Minn.	9.76	34.00	37, 75					
5503	Cargill 44% Protein Solvent Ex- tracted Soybeal Meal	11.21	44.00	44.00					
5300	Cargill 34% Protein Solvent Ex- tracted Linseed Oil Meal	12.55	34.00	34.00					
	CENTRAL CONN. CO-OPERATIVE FARMERS' ASS'N., INC. Manchester, Conn.								
	Honest Brand Aureomycin Mix 200 Grams Mash	11.53	18.00	19.00					
5390	Honest Brand Complete Breeder Mash Honest Brand Complete Breeder	10.36	16.00	17.25					
3226	Pellets (Extra Vit.) Honest Brand Complete Ration	10.60	20.00	17.00					
	High Energy Growing Mash	11.58	15.00	16.50					

Analyses	57

Fa	at	Fi	ber	
Guaran- teed not less than	Found	Guaran- teed not more than	Found	Medicants
7.00 8.00	7.19 9.94	15.00 4.00	12.50 4.00	
1.50	2.85	27.00	22, 24	
6.00	5.36	17.00	15.69	
8.50	8,84	0.50	0.12	
4.00	3.54	9.00	7, 56	
0.50	1.40	7.00	6,52	
0.50	1.35	10.00	7.84	
3.00	4.65	4.00	3.86	
4.00	4.58	8.00	3.65	
4.00	4.34	8.00	2.39	
3.00	4.89	4.00	3.05	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

	TABLE 1. ANALISES OF COM.	WILLIA CAZA	יינים ב ע	
·			Prote	
Station No.			(N x 6	25)
uo	Manufacturer and brand		Guaran-	
ıtic		360304	teed not	
Sta		Moist- ure	less than	Found
		410	CIICII	T Ound
5748	Honest Brand Complete Ration High Energy Growing Mash	11.94	15.00	16.50
	J			
3225	Honest Brand Complete Ration High Energy Laying Mash	11.08	15.00	15.38
5393	Honest Brand Nu Weigh-Hi	10.76	20.00	20.25
5749	Broiler Finisher Mash Honest Brand Nu Weigh-Hi	10.76	20.00	20. 25
311)	Broiler Mash Medicated	11.05	20.00	25.00
5747	Honest Brand Nu Weigh-Hi Starter Mash Medicated	11.63	20.00	20. 75
5651	Honest Brand Nu Weigh-Hi Starter Mash Medicated	11.31	20.00	20.00
	CENTRAL SOYA, McMillen Feed Div., Fort Wayne, Ind.			
	Master Mix Broiler Finisher Concentrate 375	9.21	41.00	41.38
6053	Master Mix Broiler Finisher 324-16C Medicated	10.36	20.00	20.50

*	Fat		Fiber		
-1	Guaran- teed not less	Found	Guaran- teed not more than	Found	Medicants
1				2 0 0.1 0	
	3.00	4. 21	4.00	3.13	3-Nitro-4hydroxyphenylarson- ic acid: Guar., 0.005%; found, 0.0058%. Acetyl (para-nitro- phenyl) sulfanilamide: Guar., 0.03%; found, 0.027%. 3,5- Dinotrobenzamide: Guar., 0.025%; found 0.024%.
	3.00	4.68	4.00	2.42	
	6.00	5.77	3.00	1.66	
	3.00	4.86	4.00	2.66	3-Nitro-4-hydroxyphenylarson- ic acid: Guar., 0.005%; found, 0.0042%. Acetyl (Para-nitro- phenyl) sulfanilamide: Guar., 0.03%; found, 0.032%. 3,5-
					Dinitrobenzamide: Guar., 0.025%; found, 0.028%.
	3.00	4.24	4.00	3.18	3-Nitro-4-hydroxyphenylarson-ic acid: Guar., 0.005%; found, 0.0058%. Acetyl (para-nitro-phenyl) sulfanilamide: Guar., 0.03%; found, 0.030%. 3,5-Dinitrobenzamide: Guar., 0.025%; found, 0.025%.
	3.00	4.50	4.00	3.88	Sulfaquinoxaline: Guar., 0.0175%; found, 0.0192%.
	10.00	10.14	5.00	3.56	
	7.50	7.74	4.00	2.42	Amprolium: Guar., 0.0125%; found, 0.0130%.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

.o.				otein
Station No.	Manufacturer and brand	Moist-	Guaran- teed not less	6, 25)
St		ure	than	Found
6092	Master Mix Broiler Finisher			
	324-16C Medicated	11.14	20.00	21.00
6094	Master Mix Broiler Starter 308-16C Medicated	10.90	24.50	25. 25
4885	Master Mix Broiler Starter Concentrate 351	9.71	42.50	44.50
4668	Master Mix Calflac	4.92	18.00	18.75
5451	Master Mix Calf Mixer 559	10.50	20.00	28. 25
4889 4682	Master Mix Calf Starter 531 Master Mix 32% Cattle Supplement	11.80	17.50	18.75
5951	763 Pellets Master Mix Chick Concentrate	11.33	32.00	31. 28
3,31	153-04G Medicated	11.31	38.00	39.00
4670	Master Mix Complete Rabbit	10.73	15.00	15 00
5815	Pellets 961 Master Mix Complete Rabbit	10.72	15.00	15.00
	Pellets 961-84E Medicated	9.51	15.00	15.75
5445	Master Mix Complete Turkey			
007/	Finisher 445	10.94	15.00	15.38
3216 5449	Master Mix 14% Dairy Feed 621	12.17	14.00	14.88
5453 4886	Master Mix Egg Mash 211 Master Mix Hi-Q 16% Dairy 624 Master Mix Hi-Q Master Blend	10.00	16.00	21. 25 19. 25
	Concentrate 667	9.29	38.00	40.00
5454	Master Mix Hog Finisher Concentrate 889	9.69	40.00	38-75
4669	Master Mix Horse Feed 967	11.31	10.00	11. 75
5437	Master Mix Layer Concentrate 265	8.79	34.00	35.50
5755	Master Mix Medicated Bio 5 Concentrate 376-03G	9.82	41.00	41.75
5756	Master Mix Poultry Starter			
	401-83A Medicated	10.12	28.00	28.00
4673	Master Mix Sweet Bulk 'N Flakes	11.34	10.00	11.25
5436	Master Mix Sweet 16% Dairy 620	11.07	16.00	18.25

Fat		Fiber		
Guaran- teed not less		Guaran- teed not more		Medicants
than	Found	than	Found	
7.50	7.80	4.00	2. 75	Amprolium: Guar., 0. 0125%; found, 0. 0107%.
7.50	9.76	4.00	2.65	Amprolium: Guar., 0.0125%; found, 0.0132%.
8.50 11.50 3.00 3.00	8.50 10.92 4.04 3.13	5.00 0.50 6.50 8.00	3.32 0.17 5.52 5.94	
2.00	3.58	10.00	5.21	
4.00	5.59	5.00	4.62	Zoalene: Guar., 0.0313%; found, 0.0253%.
2.00	3.09	16.00	13.31	
2.00	3.70	16.00	10.30	Furazolidone: Guar., 0.0055%; found, 0.00935%. Sulfaquinoxaline: Guar., 0.0125%; found, 0.0120%.
3.50 3.00 2.50 3.50	4.33 3.43 3.67 3.26	4.50 10.00 7.00 4.50	4.50 9.93 5.24 4.34	
0.50	1.84	5.00	2.84	
1.50 3.00	3.94 3.34	6.00 9.00	5.16 5.17	
2.50	3.66	8.00	4.91	
10.00	2.50	5.00	4.66	
4.00	5.09	4.00	3.31	3-Nitro-4-hydroxyphenylarson- ic acid: Guar., 0.005%; found, 0.0044%. Sulfaquinoxaline: Guar., 0.0175%; found, 0.0182%
1.00 4.00	1.81 3.81	20.00	16.52 10.62	

TABLE 1. ANA LYSES OF COMMERCIAL FEEDS

		·		
No.			Prot	
			(N x 6	0. 45)
Station	Manufacturer and brand		teed not	
ati		Moist-	less	
St		ure	than	Found
4887	Medicated Bio-21 Concentrate			
	350-03N	9.90	42.50	43.75
4692	Soybran (Reg. Trade Mark of			
	Flaked Soybean Hulls)	10.73	9.00	8.50
4893	Thrifty-Fifty Central 50% Solvent			
	Extracted Dehulled Soybean Oil	10.85	50.00	50.50
	C I CHERRY & CONC LED			
	S. J. CHERRY & SONS, LTD. Preston, Ontario, Canada			
4704	Cherry's Wheat Bran	11.46	13.50	17.50
	CITRUS PRODUCTS, DIV. Minute			
	Maid Corp., Orlando, Fla.			
1/00		0 55	4 00	/ 25
4698	Golden Isle Citrus Pulp	8.55	6.00	6.25
	CLYDE MILLING CORP.,			
	Clyde, New York			
4825	Clyde Dry & Freshening Ration	13.00	14.00	15.25
4785	Clyde Horse Feed	12.70	10.00	12.50
1.05	01, 40 110120 1 004			
	CONNECTICUT BI-PRODUCTS,			
	INC., Columbia, Conn.			
4771	Hydrolyzed Poultry Feathers	5.42	85.00	86.50
5495	Poultry By-Product Meal	5.25	55.00	64.00
	CONSOLIDATED RENDERING CO.			
	Boston 10, Mass.			
3212	Corenco 47% Meat and Bone Scrap		47.00	47. 25
5290	Corenco 47% Meat and Bone Scrap	7.42	47.00	44.50
	COOPERATIVE GRANGE LEAGUE			
	FEDERATION EXCHANGE			
	INC., Ithaca, N.Y.			
3691	Corn Feed Meal	12.71	8.00	8.88
5151	Hominy Feed	11.06	10.00	10.00
5153	Hominy Feed	13.41	10.00	8.50
	CORN PRODUCTS CO.,			
	New York, N.Y.			
4624	Buffalo Brand 21% protein Corn	9.32	21.00	23.25
	Gluten Feed			

Fat		Fib	er	
Guaran- teed not less		Guaran- teed not more		Medicants
than	Found	than	Found	
8.50	9.24	5.00	4.13	Chlortetracycline hydrochlor- ide: Guar., 0.22 gm/lb.; not determined.
1.00	1.11	38.00	33.63	
0.50	0.54	3.00	2.51	
3.00	3.80	11.50	8.73	
2, 75	3.00	15.00	11.09	
2.15	3.00	15.00	11.09	
3.00 2.50	5.34 3.71	8.00	8. 09 7. 23	
2. 30	3. 11	10.00	1, 23	
0.50 8.00	3.69 11.59	1.50 3.00	0.14	
0.00	11.57	3.00		
6.00	8.45 9.09	2.00	1.52	
	,,,,,			
3.00	4.19	3.00	2.53	
5.00	4.91 3.26	6.00	3.62	
3.00	3.20	3.00		
1.00	2.68	10.00	8.23	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

•			Prot	ein
Station No.	Manufacturer and brand	Moist-	(N x 6) Guaranteed not less than	. 25)
01	C. A. COWLES, INC. Plantsville, Conn.	urc	tilaii	1 oana
5570 4647 4646	Blue C Feed - Horse Feed with Molasses Blue C Feed Laying Mash 16% Dairy Delight CROMPTON GRAIN CO.	13.42 10.59 12.11	10.00 20.00 16.00	10.50 16.25 11.50
6093	W. Warwick, R. I. Master Made Broiler Finisher Medicated	11.87	20.00	20.50
	DARI-DRI COMPANY, Div. of Milk Specialties, Inc. Dundee, Ill.			
4614	Dari-Dri Baby Calf Formula Animal Feed	10.81	21.00	21.00
	DAWE'S LABORATORIES, INC. Chicago, Ill.			
3206	Dawe's Fermentation Flavonne No. 1	9.07	30.00	30.00
	DAWNWOOD FARMS, Amenia, N. Y.			
5157 5158	Dawnwood Farms Caf-Star Dawnwood Farms Caf-Star	6.17 7.62	25.00 26.00	26. 75 26. 50
	DCA FOOD INDUSTRIES, INC. Ellicott City, Md.			
3215	Domaco Wheat Middlings	11.84	14.50	14.88
	DELAWARE MILLING CO., INC. Deposit, N.Y.			
4791 5336 4769	Delaware Scratch Grains Delaware Turkey Grower Eastern Conn. Grain Associates	12.69	9.00 24.00	9. 00 27. 25
4770 4789	Growing Mash Middlesex All-Mash Layer Warren's C & C Complete laying	11.67	15.00	15. 75 16. 75
	Mash	11.14	15.00	15.25

			4			
Α	n	a	Ľ	rs	e	S

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Fat		Fi	ber	
Guaran- teed not less		Guaran- teed not more	T 1	Medicants
tuan	Found	than	Found	
3.00 3.00 3.50	3.34 4.75 2.84	10.00 5.00 7.50	5.70 5.28 6.59	
6.00	7.19	3.00	2.92	Amprolium: Guar., 0.0125%; found, 0.0114%.
8.50	8,50	0.50	0.56	
2.00	5.36	9.50	8,87	
6.00 3.00	6.37 4.22	1.*50 2.50	0.65	
4. 25	4.78	7.50	7. 22	
2.00	2.34 3.65	5.00 5.00	2.21 3.19	
3.00 4.00	3.78 4.87	4.50 4.00	3.95 3.42	
3.00	3.19	6.00	6.97	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

·			Prof						
Station No.			(N x 6						
ion	Manufacturer and brand		teed not						
at		Moist-	less						
St		ure	than	Found					
5337	Warren's C & C Complete Laying Mash	10.56	15.00	15.25					
	DERBY FEED STORE Derby, Conn.								
4616	Litsky Hi-Energy All Mash Layer	11.39	16.00	16.75					
5288	Litsky Hi-Energy All Mash Grower	10.61 11.32	16.00	16.75					
5637	Litsky's Hi-Energy Layer Litsky's Hi-Energy Starter	11, 34	20.00	21, 25					
	Broiler Medicated	11.22	20.00	21.50					
	E.I. DuPONT de NEMOURS & CO. Wilmington, Del.								
4710	DuPont Two-Sixty-Two Feed Compound	1.72	262.00	267.00					
	EASTERN STATES FARMERS' EXCHANGE, INC. West Springfield, Mass.								
4959	Alfapels	7.00	15.00	15.50					
6052	Broiler Finisher Medicated	10.02	22.00	22.50					
6061	Broiler Starter Medicated	10.68	24.00	24.00					
	Calf Starter	12.48	18.00	18.50					
5686	Cashmaker Medicated	11.73	16.00	17.00					
5588	Champion	12.71	14.00	14.00					
5692	Choicemaker Medicated	11.26	16.00	17.00					
5678	Choicemaker, WM, Medicated	10.89	16.00	16.50					
5175	Class Leader	12.39	14.00	15.00					
5163	Darimore Millians	11.39	16.00	17.00					
4931 5432	Eastern States Milksaver Fulpail	6:93 11.17	24.00	24.00					
5688	Lay-Crums Medicated	11.11	16.00	16.50					
5670	Matchmaker Medicated	10.65	22.00	23.00					
5828	Medicated Defender	9.61	20.00	20.75					

Fat		Fiber		
Guaran- teed not less		Guaran- teed not more		Medicants
than	Found	than	Found	
3.00	3.57	6.00		Chlortetracycline hydrochlor- ide: Guar., 200 grams/ton; not determined.
3.50 3.50 3.25	3.91 4.09 3.59	4.00 4.00 4.50	3.78 4.00 4.73	
3.50	4.40	4.00		Sulfaquinoxaline: Guar.,0.0175% found, 0.0172%.
		0.50	0.15	
1.50	2.54 9.49	30.00	28.93	Amprolium: Guar., 0.0125%;
5.00	5.61	4.00	2.85	found, 0.0101%. Amprolium: Guar., 0.0125%;
3.00 4.00	3.88 4.00	6.00 3.50	4.41 2.65	found, 0.0116%. Arsanilic acid: Guar., 0.0099%; found, 0.0115.
2.50 3.50	3.09 4.59	7.00 5.00	5.37 3.81	Arsanilic acid: Guar., 0.0099%;
3.50	4.54	5.00	3.97	found, 0.0162. Sulfaquinoxaline: Guar. 0.0125%; found, 0.0100%. Arsanilic acid: Guar., 0.0099%; found, 0.0125%.
3.00 2.50 5.00 3.00	3.94 4.39 6.00 4.86	8.50 10.00 1.50 8.50	6.51 6.51 0.11 7.54	~~~~
3.00 4.00	3.61 4.96	4.00	2.38	Arsanilic acid: Guar., 0.0099%; found, 0.0105%. Arsanilic acid: Guar., 0.0132%;
4.00	4.94	4.50	3.15	found, 0.0130%. Furazolidone: Guar., 0.022%; found, .0200%.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Manufacturer and brand		TABLE 1. ANALISES OF COMMERCIAL FEEDS						
6085 Medicated-Lacto-Life (Pellets) 4733 Medicated Minuteman 10.61 20.00 24.75 5307 Medicated Sentinel 10.61 20.00 20.50 8818 Medicated Turkey Starter F 11.03 28.00 28.50 4838 Milkerpels 14 4932 Milkerpels 16 11.74 16.00 16.88 5177 Milkerpels 20 11.21 20.00 20.50 Milkerpels 20 Milkmore 6083 Pacemaker Medicated 10.18 14.00 15.50 5667 Pel-Gro Medicated 10.18 14.00 15.50 5689 Pel-Lay Medicated 10.01 16.00 16.50 5699 Pel-22 Medicated 10.06 22.00 23.00 4873 Pork Builder 5698 Pork Gainer Medicated 10.18 14.00 15.00 5691 Pork Primer Medicated 10.81 16.00 17.00 5691 Rabbettes Rabbettes Medicated 10.40 15.00 15.25 5821 Taribulk 10.40 15.00 15.25 7821 Taribulk 10.40 15.00 15.50 10.50 15.50 10.60 17.00	·			1				
6085 Medicated-Lacto-Life (Pellets) 4733 Medicated Minuteman 10.61 20.00 24.75 5307 Medicated Sentinel 10.61 20.00 20.50 8818 Medicated Turkey Starter F 11.03 28.00 28.50 4838 Milkerpels 14 4932 Milkerpels 16 11.74 16.00 16.88 5177 Milkerpels 20 11.21 20.00 20.50 Milkerpels 20 Milkmore 6083 Pacemaker Medicated 10.18 14.00 15.50 5667 Pel-Gro Medicated 10.18 14.00 15.50 5689 Pel-Lay Medicated 10.01 16.00 16.50 5699 Pel-22 Medicated 10.06 22.00 23.00 4873 Pork Builder 5698 Pork Gainer Medicated 10.18 14.00 15.00 5691 Pork Primer Medicated 10.81 16.00 17.00 5691 Rabbettes Rabbettes Medicated 10.40 15.00 15.25 5821 Taribulk 10.40 15.00 15.25 7821 Taribulk 10.40 15.00 15.50 10.50 15.50 10.60 17.00	Z							
6085 Medicated-Lacto-Life (Pellets) 4733 Medicated Minuteman 10.61 20.00 24.75 5307 Medicated Sentinel 10.61 20.00 20.50 8818 Medicated Turkey Starter F 11.03 28.00 28.50 4838 Milkerpels 14 4932 Milkerpels 16 11.74 16.00 16.88 5177 Milkerpels 20 11.21 20.00 20.50 Milkerpels 20 Milkmore 6083 Pacemaker Medicated 10.18 14.00 15.50 5667 Pel-Gro Medicated 10.18 14.00 15.50 5689 Pel-Lay Medicated 10.01 16.00 16.50 5699 Pel-22 Medicated 10.06 22.00 23.00 4873 Pork Builder 5698 Pork Gainer Medicated 10.18 14.00 15.00 5691 Pork Primer Medicated 10.81 16.00 17.00 5691 Rabbettes Rabbettes Medicated 10.40 15.00 15.25 5821 Taribulk 10.40 15.00 15.25 7821 Taribulk 10.40 15.00 15.50 10.50 15.50 10.60 17.00	lon	Manufacturer and brand		1				
6085 Medicated-Lacto-Life (Pellets) 4733 Medicated Minuteman 10.61 20.00 24.75 5307 Medicated Sentinel 10.61 20.00 20.50 8818 Medicated Turkey Starter F 11.03 28.00 28.50 4838 Milkerpels 14 4932 Milkerpels 16 11.74 16.00 16.88 5177 Milkerpels 20 11.21 20.00 20.50 Milkerpels 20 Milkmore 6083 Pacemaker Medicated 10.18 14.00 15.50 5667 Pel-Gro Medicated 10.18 14.00 15.50 5689 Pel-Lay Medicated 10.01 16.00 16.50 5699 Pel-22 Medicated 10.06 22.00 23.00 4873 Pork Builder 5698 Pork Gainer Medicated 10.18 14.00 15.00 5691 Pork Primer Medicated 10.81 16.00 17.00 5691 Rabbettes Rabbettes Medicated 10.40 15.00 15.25 5821 Taribulk 10.40 15.00 15.25 7821 Taribulk 10.40 15.00 15.50 10.50 15.50 10.60 17.00	ati		Moist-					
4733 Medicated Minuteman 11.68 24.00 24.75 5307 Medicated Sentinel 10.61 20.00 20.50 5818 Medicated Turkey Starter F 11.03 28.00 28.50 4838 Milkerpels 14 11.39 14.00 14.25 4932 Milkerpels 20 11.21 20.00 20.50 4957 Milkmore 11.62 16.00 16.38 5683 Pacemaker Medicated 11.17 20.00 16.38 5667 Pel-Gro Medicated 10.18 14.00 15.50 5689 Pel-Lay Medicated 10.01 16.00 16.50 5699 Pel-Lay Medicated 10.06 22.00 23.00 4873 Pork Builder 12.12 14.00 14.00 5691 Pork Primer Medicated 9.21 18.00 18.00 5591 Rabbettes 10.40 15.00 15.25 5821 Rabbettes Medicated 10.46 16.00 16.25 4663 Roaster Finisher Medicated 10.46 16.00 16.25	St			1	Found			
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4932 Milkerpels 16 11.74 16.00 16.88 5177 Milkerpels 20 11.21 20.00 20.50 4957 Milkmore 11.62 16.00 16.38 6083 Pacemaker Medicated 11.17 20.00 16.38 5667 Pel-Gro Medicated 10.18 14.00 15.50 5689 Pel-Lay Medicated 10.01 16.00 16.50 5699 Pel-22 Medicated 10.06 22.00 23.00 4873 Pork Builder 12.12 14.00 14.00 5691 Pork Primer Medicated 9.21 18.00 18.00 5173 Rabbettes 10.40 15.00 15.25 5821 Rabbettes Medicated 10.46 15.00 15.00 6058 Roaster Finisher Medicated 10.46 16.00 16.25 4663 Supmix 9.63 36.00 36.50 5309 Tastibulk 13.86 9.50 10.50 4760 Tastibulk 10.96 15.00 15.05 5587 Turkey Breeder								
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5698 Pork Gainer Medicated 10.81 16.00 17.00 5691 Pork Primer Medicated 9.21 18.00 18.00 5173 Rabbettes 10.40 15.00 15.25 5821 Rabbettes Medicated 10.46 15.00 15.00 6058 Roaster Finisher Medicated 10.46 16.00 16.25 4663 Supmix 9.63 36.00 36.50 5309 Sweepstakes 11.59 16.00 17.00 4960 Tastibulk 13.86 9.50 10.50 5174 Thriftmaker 10.96 15.00 16.00 5306 Trim-Maker 9.64 15.00 16.50 5587 Turkey Breeder 10.41 16.00 16.50 4735 Turkey Finisher 11.07 16.00 16.75 5963 Turkey Finisher-C 10.99 16.00 16.00 4662 Turkey Grower 11.34 20.00 20.75	5699	Pel-22 Medicated	10.06	22.00	23.00			
5691 Pork Primer Medicated 9.21 18.00 18.00 5173 Rabbettes 10.40 15.00 15.25 5821 Rabbettes Medicated 10.46 15.00 15.00 6058 Roaster Finisher Medicated 10.46 16.00 16.25 4663 Supmix 9.63 36.00 36.50 5309 Sweepstakes 11.59 16.00 17.00 4960 Tastibulk 13.86 9.50 10.50 5174 Thriftmaker 10.96 15.00 16.00 5306 Tim-Maker 9.64 15.00 15.75 5587 Turkey Breeder 10.41 16.00 16.50 4735 Turkey Finisher 11.07 16.00 16.75 5963 Turkey Finisher-C 10.99 16.00 16.00 4662 Turkey Grower 11.34 20.00 20.75	4873	Pork Builder	12.12	14.00	14.00			
5173 Rabbettes 10.40 15.00 15.25 5821 Rabbettes Medicated 10.46 15.00 15.00 6058 Roaster Finisher Medicated 10.46 16.00 16.25 4663 Supmix 9.63 36.00 36.50 5309 Sweepstakes 11.59 16.00 17.00 4960 Tastibulk 13.86 9.50 10.50 5174 Thriftmaker 10.96 15.00 16.00 5306 Trim-Maker 9.64 15.00 15.75 5587 Turkey Breeder 10.41 16.00 16.50 4735 Turkey Finisher 11.07 16.00 16.75 5963 Turkey Finisher-C 10.99 16.00 16.00 4662 Turkey Grower 11.34 20.00 20.75	5698	Pork Gainer Medicated	10.81	16.00	17.00			
5821 Rabbettes Medicated 10.46 15.00 15.00 6058 Roaster Finisher Medicated 10.46 16.00 16.25 4663 Supmix 9.63 36.00 36.50 5309 Sweepstakes 11.59 16.00 17.00 4960 Tastibulk 13.86 9.50 10.50 5174 Thriftmaker 10.96 15.00 16.00 5306 Trim-Maker 9.64 15.00 15.75 5587 Turkey Breeder 10.41 16.00 16.50 4735 Turkey Finisher 11.07 16.00 16.75 5963 Turkey Finisher-C 10.99 16.00 16.00 4662 Turkey Grower 11.34 20.00 20.75	5691	Pork Primer Medicated	9.21	18.00	18.00			
5821 Rabbettes Medicated 10.46 15.00 15.00 6058 Roaster Finisher Medicated 10.46 16.00 16.25 4663 Supmix 9.63 36.00 36.50 5309 Sweepstakes 11.59 16.00 17.00 4960 Tastibulk 13.86 9.50 10.50 5174 Thriftmaker 10.96 15.00 16.00 5306 Trim-Maker 9.64 15.00 15.75 5587 Turkey Breeder 10.41 16.00 16.50 4735 Turkey Finisher 11.07 16.00 16.75 5963 Turkey Finisher-C 10.99 16.00 16.00 4662 Turkey Grower 11.34 20.00 20.75	5173	Rabbettes	10.40	15,00	15, 25			
4663 Supmix 9.63 36.00 36.50 5309 Sweepstakes 11.59 16.00 17.00 4960 Tastibulk 13.86 9.50 10.50 5174 Thriftmaker 10.96 15.00 16.00 5306 Trim-Maker 9.64 15.00 15.75 5587 Turkey Breeder 10.41 16.00 16.50 4735 Turkey Finisher 11.07 16.00 16.75 5963 Turkey Finisher-C 10.99 16.00 16.00 4662 Turkey Grower 11.34 20.00 20.75	5821	Rabbettes Medicated						
5309 Sweepstakes 11.59 16.00 17.00 4960 Tastibulk 13.86 9.50 10.50 5174 Thriftmaker 10.96 15.00 16.00 5306 Trim-Maker 9.64 15.00 15.75 5587 Turkey Breeder 10.41 16.00 16.50 4735 Turkey Finisher 11.07 16.00 16.75 5963 Turkey Finisher-C 10.99 16.00 16.00 4662 Turkey Grower 11.34 20.00 20.75	6058	Roaster Finisher Medicated	10.46	16.00	16.25			
5309 Sweepstakes 11.59 16.00 17.00 4960 Tastibulk 13.86 9.50 10.50 5174 Thriftmaker 10.96 15.00 16.00 5306 Trim-Maker 9.64 15.00 15.75 5587 Turkey Breeder 10.41 16.00 16.50 4735 Turkey Finisher 11.07 16.00 16.75 5963 Turkey Finisher-C 10.99 16.00 16.00 4662 Turkey Grower 11.34 20.00 20.75	1462	Supmix	0.63	34 00	34 50			
4960 Tastibulk 13.86 9.50 10.50 5174 Thriftmaker 10.96 15.00 16.00 5306 Trim-Maker 9.64 15.00 15.75 5587 Turkey Breeder 10.41 16.00 16.50 4735 Turkey Finisher 11.07 16.00 16.75 5963 Turkey Finisher-C 10.99 16.00 16.00 4662 Turkey Grower 11.34 20.00 20.75	1	, -						
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4662 Turkey Grower 11.34 20.00 20.75					1			
	3903	Turkey Finisher-C	10.99	16.00	16.00			
6084 Turkey Grower-C Medicated 11.36 20.00 21.00	4662		11.34	20.00	20.75			
	6084	Turkey Grower-C Medicated	11.36	20.00	21.00			

Fat		Fiber			
Guaran- teed not less		Guaran- teed not more		Medicants	
than	Found	than	Found		
3.00 5.00	4.24 6.14	8.00 4.00	5.62 2.40	Chlortetracycline hydrochlor- ide: Guar., 0. 1 gm/lb.; not	
4.00	4.03	4.00	2.94	determined. Chlortetracycline hydrochlor- ide: Guar., 0.1 gm/lb.; not determined.	
3.00	3.84	4.00	3.16	Furazolidone: Guar.,0.011%; found, 0.0116%.	
3.00 3.00 3.00 3.00 4.00	4.58 4.21 4.09 3.79 5.18	9.00 9.00 9.00 8.50 4.00	5.96 4.80 7.41 5.95 2.67	Arsanilic Acid: Guar.,0.0099%; found, 0.0118%.	
3.50 3.00	4.04 3.94	5.00 4.50	4.11	Arsanilic Acid: Guar.,0.0099%; found, 0.0117%. Arsanilic Acid: Guar.,0.0099%;	
2.50	3.89	5.00	4.02	found, 0.0107%. Arsanilic Acid: Guar., 0.0132%; found, 0.0145%.	
3.00 5.00	3.39 5.10	3.50 3.00	2.61 2.57	Arsanilic Acid: Guar., 0.0099%; found, 0.0125%.	
8.00	10.66	3.00	1.39	Arsanilic Acid: Guar., 0.0099%; found, 0.0110%.	
2.00	3.56 3.06	16.00	12.66	Furazolidone: Guar., 0.0055%; found, .0059%.	
3.50	4.58	4.00	2.52	Amprolium: Guar., 0.0125%; found, 0.0104%.	
1.50 3.00 2.00 3.00 3.50 3.50 3.50	3.00 3.54 3.30 3.22 3.99 3.12 4.57 4.72	8.00 8.00 11.00 4.50 11.00 4.00 4.00 4.00	7.53 6.06 8.67 3.75 8.22 3.12 3.36 3.11	P-Ureidobenzenearsonic acid: Guar., 0.0375%; found, 0.0405%.	
3.50 3.50	3.89 4.94	4.50 4.50	3.47 3.29	P-Ureidobenzenearsonic acid: Guar., 0.0375%; found, 0.0316%.	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

•			Protein		
Station No.			(Nx6	25)	
ď	Manufacturer and brand		Guaran-		
io	172011020000202 0210100200100		teed not	,	
at		Moist-	less		
St		ure	than	Found	
5639	Turkey Starter Medicated	10.71	28.00	28.75	
	ECKHART MILLING CO. Chicago, Ill.				
5286	Ecko Pure Wheat Bran	10.94	14.00	16.50	
	ELMORE MILLING CO., INC. Oneonta, N.Y.				
5261	Elmore Bull Feed	11.41	13.00	16.25	
5650	Elmore Chixsaver (1S) medicated	11.34	20.00	20.50	
5331	Elmore Complete Calf Milk				
	Replacer	8.55	25.00	25.50	
4832	Elmore Complete Growing Ration	11.36	16.00	16.00	
5646	Elmore Complete Growing Ration		1	7/ 50	
400/	(1S) Medicated	11.11	16.00	16.50	
4926	Elmore Complete Market Egg Mash		16:00	16. 25 20. 63	
5112 4921	Elmore Complete Rabbit Ration Elmore Complete Turkey Growing	10.11	10.00	20.03	
4721	Mash	10.59	17.00	17.00	
5332	Elmore Dry & Freshening Ration	11.28	12.00	15.00	
4781	Elmore 14% Fitting Ration	12.38	14.00	16.25	
5333	Elmore Flaked Pelleted Calf				
	Starter	11.11	18.00	17.25	
4782	Elmore Game Bird Breeder Mash	11.31	20.00	20.00	
4929	Elmore Game Bird Grower	10.78	20.00	18.00	
5649	Elmore Game Bird Grower				
	Medicated (1S)	10.00	20.00	18.00	
5648	Elmore Game Bird Starter				
	Medicated (1S)	10.86	28.00	26.50	
4784	Elmore Grand Champion	12.18	15.00	15.25	
4928	Elmore Hog Ration	11.56	15.00	15.50	
4833	Elmore Horse Feed	12.91	9.00	10.00	
5259	Elmore Maxmilk Ration	11.30	16.00	17.00	
5817	Elmore Medicated Mash	10.36	16.00	16.75	
4783	Elmore Milk Grains "Sixteen"	11.65	16.00	18.00	
5258	Elmore Milk Grains 20%	9.99	20.00	22. 25	
5260	Elmore Pacemaker 16% Dairy				
	Ration	11.50	16.00	17.50	
4780	Elmore Test Ration 16%	12.48	16.00	16.50	

F	at	Fiber		
Guaran- teed not less than	Found	Guaran- teed not more than	Found	Medicants
3.00	4.86	4.00	3.22	Sulfaquinoxaline: Guar., 0.0175%; found, 0.0158%.
3.50	4.09	12.00	8.08	
3.00 3.00	3.58 3.24	9.00 5.00	7.43 4.39	Sulfaquinoxaline: Guar., 0.015% found, 0.0170%.
4.00 3.00	5. 20 3. 43	2.00	1.46 5.58	Sulfaquinoxaline: Guar.,0.0150%
3.00 4.00 2.50	3.59 4.69 3.48	6.00 5.00 10.00	4.93 3.66 10.00	found, 0.0153%.
3.50 3.50 3.50	3.75 3.75 3.76	6.00 9.00 8.00	4.67 6.30 6.53	
2.50 4.00 3.00	3.70 3.09 3.48	8.00 •8.00 10.00	6.10 4.27 6.96	
3.00	3.80	10.00	7.69	Sulfaquinoxaline: Guar., 0.02% found, 0.0244%.
3.00	3.79	6.00	4. 72	Sulfaquinoxaline: Guar., 0.02%; found 0.0155%.
3.50 3.50 3.00	3.66 3.84 3.42	9.00 8.00 11.00	6.30 5.59 5.41	
3.00 3.50	3.41 4.16	9.00 5.00	7.49 4.49	Furazolidone: Guar., 0.022%; found, 0.0052%.
3.50 3.50	4.16 3.66	8.50 8.00	7.45 8.00	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
3.00 4.00	3.39 4.35	10.00	7.63 6.72	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

			_	
No.				tein
Z				6.25)
Station	Manufacturer and brand		Guaran-	
ati		Moist-	teed not	
Sta			than	Found
		ure	Inan	Found
5257	Elmore Test Ration 18%	11.49	18.00	18.50
4922	Elmore Turkey Finisher	9.79	15.00	15.75
	ŕ			
	JOHN W. ESHELMAN & SONS Lancaster, Pa.			
4914	Lancaster 16 Dairy Feed	10.27	16.00	16.50
4916	Lancaster Scratch Grains	12.70	9.00	9.00
5371	Pennsy Complete Laying Ration	10.11	16.00	17. 25
5324	Pennsy Laying Mash	10.13	20.00	21.25
	Red Rose Broiler Finisher	9.93	19.50	20.50
4917	Red Rose Calf Grower	11.29	14.00	14.00
1	Red Rose Calf Starter Red Rose Chick Grains	11.41 13.56	18.00	18.25
4961 6055	Red Rose Chick Grains Red Rose Chick Starter Medicated	10.00	9.00	10.25
0055	Red Rose Chick Starter Medicated	10.00	22.00	22, 50
4659	Red Rose Complete Growing Ration	11.57	16.00	16.00
4915	Red Rose Complete Laying Ration	11.20	16.00	17.25
4913	Red Rose Complete Turkey Grower	10.47	20.00	20.50
5326	Red Rose Complete Turkey			
	Finisher	10.15	16.00	19.50
5959	Red Rose Complete Turkey			- /
50/0	Finisher Medicated 313-C	10.48	16.00	16.50
5960	Red Rose Complete Turkey Grower Medicated 312-C	10.77	20.00	20.25
	Grower Medicated 312-C	10.77	20.00	20.25
4657	Red Rose 16 Dairy Feed	10.86	16.00	16.50
5378	Red Rose 18 Dairy Feed	11.43	18.00	18.75
	Red Rose Duck Grower & Breeder	10.13	20.00	21.00
5205	Red Rose Fattening Mash	10.69	14.00	15.88
5379	Red Rose Fitting Ration	10.91	12.00	12.25
5381	Red Rose Goat Ration	11.48	15.00	15.75
5374	Red Rose Growing Mash	11.07	20.00	20.00
4642	Red Rose Horse Feed	12.74	9.00	9.00
5104	Red Rose Intermediate Chick Grains	13.10	9.00	9.50
4656	Red Rose Laying Mash	10.59	20.00	22.00
5329	Red Rose Medicated T-C Feed	10.00	22.00	22.00
	(412)			
5372	Red Rose Milking Parlor Feed	11.86	14.00	14.00
3312	lited Robe Wilking I allol I eed	11.00	11.00	11.00
		-		

Fa	t	Fib	er	
Guaran- teed not less than	Found	Guaran- teed not more than	Found	Medicants
4.00 4.00	4.31 5.48	9.00 6.00	7.56 4.43	
2.50 2.00 3.00 3.00 6.00 3.00 3.00 2.00 4.00	3.06 2.68 3.85 3.11 5.58 3.47 3.35 3.23 4.34	13.00 4.00 7.00 7.50 3.50 8.50 8.00 3.00 4.50	14.87 2.98 7.00 5.74 3.50 7.11 6.23 1.15 3.65	Amprolium: Guar., 0.0125%;
4.00 4.00 4.00	4.04 4.39 4.06	6.00 5.00 5.50	3.61 4.31 4.50	found, 0.0103%.
4.00	4.01	5.50	5. 24	
4.00	4.65	5.50	3.80	p-Ureidobenzenearsonic acid: Guar., 0.0375%; found, 0.0282%.
4.00	4.99	5.50	4.33	P-Ureidobenzenearsonic acid:
3.00 3.50 4.00 4.00 3.50 3.00 4.00 3.00	3.53 3.69 4.14 4.16 3.84 3.06 4.28 3.53	9.50 9.50 6.00 5.50 8.00 9.00 7.00 8.00	7. 58 7. 42 4. 48 3. 50 7. 12 6. 18 3. 70 3. 31	Guar., 0. 0375%; found, 0. 0446%.
2.00 4.00 4.00	2.90 3.74 4.37	3.00 5.50 5.00	1.50 4.70 5.00	Chlortetracycline hydrochloride: Guar.,.020 gms./lb.; not determined. Terramycin Hydrochloride: Guar.,.020 gms./lb.; not determined. Penicillin: Guar.,.010 gms./lb.; not determined.
4.00	3.74	7.50	6.09	

74	Connecticut Experiment Station Bulletin 651 TABLE 1. ANALYSES OF COMMERCIAL FEEDS							
	TABLE 1. ANALYSES OF COMMERCIAL FEEDS							
ν No.			Pro (N x 6 Guaran-	tein (a) 25)				
Station No.	Manufacturer and brand	Moist- ure	teed not less than	Found				
5376 5325 5380 5323 5382 5106 5322	Red Rose Milk Replacer Red Rose Pigeon Feed Red Rose Porkmaker Red Rose Rabbit Pellets Red Rose Rumenator Red Rose Scratch Grains Red Rose Starter & Grower Red Rose 14 Test Cow Feed Red Rose Wild Bird Feed	6.10 12.70 10.59 9.54 10.64 12.23 10.61 12.85	22.00 12.00 14.00 18.00 16.00 9.00 20.00 14.00	24.50 13.00 18.00 18.75 18.00 9.00 21.75 14.00 11.25				
5373	S-O-S EVANS MILLING CO., INC. Indianapolis, Ind.	10.66	11.00	14.25				
5365	Emco Hominy Feed	10.35	10.00	10.13				
	FARM BUREAU ASSOCIATION Waltham, Mass.							
	Farm Bureau Advancer Farm Bureau Brand Dairy 16% Farm Bureau Rabbit Food Pellets	12.06 11.41 10.31	14.00 16.00 18.00	15.00 16.25 18.00				
	FARMERS FEED CO. Brooklyn, N.Y.							
5154	"Bull Brand" Brewers Dried Crains FMS INCORPORATED Thomasville, Pa.	8.11	26.00	28.13				
5342	FMS-A	6.31	23.00	24.00				
	FISH PRODUCTS CO. of NEW JERSEY, Tuckerton, N.J.							
4671	Smith's Lifeline Br. Fish Meal Preserved with (Food Grade) Butylated-Hydroxy-Toluene	2.09	60.00	65.25				
	FLORIDA CITRUS CANNERS CO- OPERATIVE Lake Wales, Florida							
4955	Lake Wales Brand Citrus Pulp	11.32	6.00	6.00				

F	a t	Fil	per	
Guaran- teed not less		Guaran- teed not more		Medicants
than	Found	than	Found	
1.00 3.00 3.50 3.00 5.50 2.00 4.00 3.50 5.00 2.00	1.54 2.46 3.87 3.66 6.01 2.84 4.16 3.59 6.04 3.15	1.00 4.00 7.00 10.00 7.00 4.00 6.00 8.50 6.00 16.00	0.61 2.21 6.33 9.07 5.53 3.12 4.25 5.27 6.00 13.78	,
5.00	5 . 4 9	7.00	4. 22	
3.00 3.50 2.50	3.47 3.84 3.13	8.00 8.00 18.00	5.83 7.48 12.43	
6.00	7.31	17.00	12.01	
0.50	0.51	0.25	0.25	
5.00	9.39	0.25	3.00	
2.00	5.92	16.00	8.98	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

No.			Prot (N x 6	
Station No.	Manufacturer and brand	Moist-	Guaran- teed not less	
St		ure	than	Found
	GENERAL MILLS, INC. Minneapolis, Minn.			
4651 5720	Larro Chick Grains Larro Medicated Surelay	13. 23	9.00	8.00 16.50
	Complete "H-E"		16.00	
4652 5949	Larro Sure-Calf Larro Sure Chick Medicated	11.56	20.00	17. 25 23. 00
4648 5577	Larro Sure Lay Complete "H-E" Larro Sure Lay Complete "H-E"	10.16	16.00 16.00	17.50 16.00
5571 4650	Larro Sure Milk 14 Larro Sure Milk 16	11.87	14.00	16.75 16.25
5830	Larro Sure Rabbit Medicated	10.56	15.00	15.50
4773 6046	Purity Oat Mill By-Product SureBroiler Finisher 19 (KC)	9.70 10.60	3.00 19.00	3.00 21.75
6047	Medicated SureBroiler Starter 21 (KC) Medicated	10.84	21.00	23.00
5575 5576	SureCalf SureGrow Complete 'H-E''	12.00 11.67	18.00 15.00	18.50 16.25
5572	SureLay Complete "H-E"	11.11	15.00	17.00
5569 5574	SureMilk 32 SureRaise (CHL) Medicated	11.05 6.35	32.00 23.00	35.50 25.00
5573 5578 4927	SureTasty 16 Pellets SureTurk Finisher Complete 16 Washburn's Gold Medal Wheat	11.06 10.87	16.00 16.00	17. 25 16. 75
	Bran-Ground Wheat Screenings		15.00	15.00
4930	Washburn's Gold Medal Wheat Mid- dlings-Ground Wheat Screenings		15.00	16.38
	GLOUCESTER BY-PRODUCTS, INC., Gloucester, Mass.			
5438	Globpro Brand 60% Protein Fish Meal	6.72	60.00	63.00
	GOLDEN GEM GROWERS, INC. Umatilla, Fla.			
4665	Golden Gems Sweet Dried Citrus Pulp	8.21	6.00	6.00

Fa	at	Fib	er	
Guaran- teed not less		Guaran- teed not more		Medicants
than	Found	than	Found	
2.00	2.42	4.00	1.40	
4.00	4.52	4.50	4.20	Copper Sulfate: Guar., 0.15%; found, 0.102%.
2.50 3.50	3.04 3.88	9.00 5.00	6.29 3.43	Zoalene: Guar., 0.0083%; found, 0.0100%.
4.00 4.00 3.00	4.03 4.72 3.99	4.50 4.50 9.00	3.23 4.30 8.37	
3.00 2.00	3.36 2.68	9.00 19.00	7. 20	Furazolidone: Guar.,0.0055%; found, 0.0056%.
1.00 4.50	1.04 5.25	32.00 3.00	28.10 2.34	Amprolium: Guar., 0.0125%;
4.50	4.98	3.00	2.50	found, 0.0101%. Amprolium: Guar., 0.0125%; found, 0.0121%.
2.50 3.50 3.00	2.74 3.65 4.66	9.00 5.50 4.00	6.69 3.95 2.66	
1.00	1.06 11.06	9.00	5. 58 0. 46	Chlortetracycline hydrochlor-ide: Guar., 0.025 gms/lb.;
2.50	3.46 3.69	13.00	8.24 3.27	not determined.
		ĺ		
3.00	4.32	12.00	9.12	
3.50	4.54	9.50	7.11	
8.00	10.24	1.00	0.26	
2.50	3.40	11.00	9.82	

78	Connecticut Experimen	t Station	Bul	letin 651			
	TABLE 1. ANALYSES OF COMMERCIAL FEEDS						
Station No.	Manufacturer and brand	Moist-	Prote (N x 6. Guaran- teed not less	. 25)			
01	D.H. GRANDIN MILLING CO. Jamestown, N.Y.	ure	than	Found			
4950 5581 5107 5110 4954 5111 5579	Grandin's Calf Starter Grandin's Dairy Maid 16 Grandin's 14 Fit-Fresh Produce Grandin's 14% Fitting Ration Grandin's Hi-Pro Pellets Grandin's Horse Feed Grandin's Intermediate Chick Grains Grandin's 16 Milk Producer	12.86 12.47 11.87 12.04 10.63 12.24 12.86 12.36	18.00 16.00 14.00 14.00 22.00 9.00	18.00 16.75 14.25 14.25 18.25 11.00			
5109 5580 4952	Grandin's Pig & Sow Feed Grandin's Rabbit Pellets Grandin's Summit Test Ration Grandin's Super Complete Grow and Lay Grandin's Super Layer	11. 22 9. 82 12. 06 12. 00 11. 26	18.00 17.00 16.00	18.50 18.75 16.25 17.50 21.50			
	THE GREAT ATLANTIC & PACIFIC TEA CO., INC. Minneapolis 2, Minn. Daily Egg Laying Mash GREAT STAR FLOUR MILLS, Ltd.	9.86	20.00	20. 75			
4619	St. Marys-Ontario, Canada Great Star Shorts GREEN ACRE FARMS Nazareth, Pa.	11.25	14.00	15.75			
5298	Green Acre's Brand 17% Dehy. Alfalfa Meal with 1/2% veg. Fat Product HAFFENREFFER & CO., INC.	7.85	17.00	15.75			
3218	Boston, Mass. Haffenreffer Brewer's Dried Yeast HALES & HUNTER CO. Chicago, Ill.	7.66	40.00	48.00			
	Pioneer Beef Fitting Ration Pioneer Calf Starter	12. 54 12. 70	12.00 18.00	13.00 18.75			

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F	at	Fiber		
Guaran- teed not less		Guaran- teed not more		Medicants
than	Found	than	Found	
3.00 2.50 3.50 3.00 3.00 3.00	2.56 1.94 3.59 2.66 2.69	10.00 9.00 8.00 9.00 5.00 11.00	7.80 7.51 7.09 8.42 5.43 7.48	
2.50 3.50 3.50 3.00 4.00	2.08 3.62 3.61 2.81 2.59	5.00 9.00 10.00 18.00 8.00	1.37 6.29 6.05 11.08 7.86	
3.50 3.50	2.79 3.30	4.00 4.00	3.86 4.00	
3.00	3.31	7.50	7.50	
5.00	4.97	8,00	6.72	
2.00	2.59	27.00	22.83	
0.25	0.81	5.50	3.49	
2.00	2.79	5.00 7.00	3.87 3.87	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

			Prot	
No.			(N×6	. 25)
Station	Manufacturer and brand		Guaran-	
Çi		Moist-	teed not	
ta			less	- 1
Ŋ		ure	than	Found
5185	Pioneer Commercial Milker 16	13.03	16.00	16.75
5513	Pioneer Dairy Fitting Feed	11.99	14.00	15.00
4766	Pioneer 16 Dairy Pellets	10.62	16.00	18.25
4697	Pioneer Dairy Production 16	12.15	16.00	15.50
5305	Pioneer Dry & Freshening	11.49	12.00	13.75
4764	Pioneer Hog Finisher	11.07	12.00	13.50
5516	Pioneer Hog Finisher Concentrate	4.14	40.00	40.00
4767	Pioneer Horse Feed	12.50	12.00	12.50
4696	Pioneer Pelleted Flaked 15 Dairy	11.93	15.00	15.13
5671	Pioneer Pig Gro-Pel Medicated	10.65	16.00	19.25
3071	1 ioneer 1 ig G10-1 er wedteated	10.05	10.00	1 7. 23
4765	Pioneer Rabbit Pellets	10.71	16.00	16.50
4701	Pioneer Sup-Pel Pellets	8.84	18.00	19.25
5517	Pioneer Vig-R-Calf	4.49	20.00	20.00
4900	Red Comb Breeder Mash	10.41	22.00	22.00
5672	Red Comb Complete Layer 16			
	Medicated	10.44	16.00	16.25
4899	Red Comb Duck Developer	10.69	14.00	15.38
4700	Red Comb Duck Starter	10.24	20.00	23.00
5514	Red Comb Scratch Feed	11.89	9.00	9.75
4699	Red Comb Turkey Grower 20	9.92	20.00	21.75
5303	Red Comb Turkey Starter	10.41	26.00	26.75
	HAYWARD, INC.			
	Oak Harbor, Ohio			
5319	Dehydrated Alfalfa Meal Pellets	8.09	18.00	18.50
	H. P. HOOD & SONS, INC.			
	Dunedin, Florida			
F 207		8.00	6.00	6.50
5287	Hood Citrus Pulp	0.00	0.00	0.50
	H. P. HOOD & SONS, INC.			
	Boston, Mass.			
5203	Hood Milk Replacer for Baby			
	Animals	8.60	28.00	28.00
	THE HUBINGER COMPANY			
	Keokuk, Iowa			4.2
5417	Ke Ok Uk Brand Corn Gluten Meal	9.60	41.00	43.00

Analyses

F	at	Fi	ber	
Guaran- teed not less than	Found	Guaran- teed not more than	Found	Medicants
2.50 3.00 2.50 3.00 2.50 3.00 1.00 2.50 2.50 3.00 2.50	2.87 3.56 3.46 2.81 3.94 1.84 3.61 3.24 3.14 3.61 2.88 2.50	13.00 8.00 10.00 8.00 4.00 5.00 8.00 7.00 5.00	6.85 6.81 8.78 6.53 7.11 2.75 4.42 6.90 5.89 3.66	Arsanilic acid: Guar., 0.01%; found, 0.0112%.
3.50 3.50 3.00 3.00 2.00 3.50 3.50	3.89 3.02 4.04 3.14 4.46 3.76	6.50 5.50 12.00 6.50 5.00 6.00 5.50	4. 50 3. 24	Arsanilic acid: Guar., 0.01%; found, 0.0098%.
1. 75 2. 75	3.65 5.07	23.00	22.92	
3.50	3.82	1.50	1.42	
1.00	1.96	6.00	1.98	

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TABLE 1. ANALYSES OF COMMERCIAL FEEDS

:			Prot	ein
Station No.	Manufacturer and brand	Moist- ure	(N x 6 Guaran- teed not less than	. 25) Found
	THE HUNTER MILLING CO. Wellington, Kansas			
5256	Wheat Bran-Ground Wheat Screenings	11.19	14.50	17, 25
	ILLINOIS CEREAL MILLS, INC. Paris, Ill.			
4664	Hominy Feed	10.38	10.00	10.00
	INTERNATIONAL MILLING CO. Minneapolis 2, Minn.			
3209	Blackhawk Wheat Bran with Ground Mixed Screenings Blackhawk Wheat Middlings with	11.54	13.50	17.63
5387	Ground Mixed Screenings Target Wheat Red Dog	11.99	14.00 15.00	17.88 15.50
	KELLOGG CO. of CANADA, LTD. London, Ontario, Canada			
5430	Kellogg Hominy Feed	8.96	10.00	10.75
	SPENCER KELLOGG & SONS, INC., Bellevue, Ohio		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
5115	Spencer Kellogg's 50% protein dehulled Soybean Oil Meal Solvent Extracted	10.21	50.00	51.50
	SPENCER KELLOGG & SONS, INC., Buffalo, N.Y.			
5462	Spencer Kellogg's 32% Protein Old Process Expeller Linseed Oil Meal	11.09	32.00	34.75
	KEYSTONE DEHYDRATORS Nazareth, Pa.			
5457	Keystone Super Green Dehy. Alfalfa Meal with Santoquin and Veg. Fat	7.44	17.00	17.50
	KINGS MILLING CO. Lowell, Michigan			
5501	Kings Middlings with Screenings	11.30	13.50	14.00

Analyses

Fa	ıt	Fi	ber		
Guaran- teed not less than	Found	Guaran- teed not more than	Found	Medicants	
3.50	4.39	11.00	8.74		
5.00	5. 24	6.00	4.66		
2.50	6.25	12.00	8.56		
3.00	5.36 3.35	9.50 4.00	6.93 3.57		
9.00	9.85	4.50	4.50		
0.50	1.00	3.00	2.54		
	-				
3.50	2.57	10.50	7.22		
2.00	2.04	27.00	27.00		
3.50	4.80	8.00	6.21		

TABLE i. ANALYSES OF COMMERCIAL FEEDS

		 	1	
°			Pro	
Station No.			Guaran-	6. 25)
on	Manufacturer and brand		teed not	
ati		Moist-	less	
St		ure	than	Found
	KRAFT FOODS DIV. Chicago 90, III.			
3219 5385	Kraco Dried Whole Whey Kray-9	4.50 8.65	12.00 25.00	13.00 28.50
	CHAS. A. KRAUSE MILLING CO. Milwaukee, Wis.			
4787	Badger Yellow Hominy Feed	11.01	10.00	10.13
	KUDER PULP SALES CO. Lake Alfred, Fla.			
4874	Kuder Dried Citrus Pulp, High Sugar	9.82	6.00	6. 25
	LAUHOFF GRAIN CO. Danville, Ill.			
5414	43% Protein Expeller Soybean Oil Cake	10.31	43.00	44.50
4878	Vermilion Hominy Feed	11.01	9.00	10.75
	THE LIBNER GRAIN CO. Norwalk, Conn.			
5404	Libner's Blue Ribbon Horse & Calf Ration	11.83	10.50	10.50
5402	Libner's Blue Ribbon Milk Egg			
	Mash	10.85	20.00	23.50
5403	Libner's Blue Ribbon Scratch Feed	12.77	10.00	10.00
	MACHNICKI'S GRAIN STORE Jewett City, Conn.			
5434	GMS Machnicki [†] s Hi-Energy All Mash Layer	11.79	15.00	15. 75
3213	Machnicki's Hi-Energy All Mash Layer	11.81	16.00	16.00
5729	Master Made Broiler Starter Medicated	11.96	24.00	24. 25
	MARION MILLING CO. Marion, Ohio			
5289	Cloverleaf Wheat Middlings and Ground Wheat Screenings	10.50	14.00	15. 25

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Guaran- teed not less than	Found	Guaran- teed not more than	Found	Medicants
0.50 7.00	0.53 7.87	1.00	0.78	
5.00	5.38	6.00	4.39	
2.50	4.19	15.00	10.56	
4.00	4.04	7.00	4.87	
5.00	7. 21	6.00	4.88	
3.50	4.19	7.00	7.00	
3.00	4.59	6.50	6.01	
2,00	2.87	5.00	3.01	
3.50	3.84	4.00	2.83	
4.00	3259	3.50	3.15	
6.00	6.32	4.00	2.47	Amprolium: Guar., 0.0125%;
				found, .0116%.
3.00	4.00	9,00	8.60	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

•			Prot	
Station No.	Manufacturer and brand	Moist- ure	(N x 6. Guaran- teed not less than	Found
	MAXON MILLS, INC. Wassaic, N.Y.			
5483 5481 5480 5482	Maxon 16% Dairy Maxon 14% Fitting Maxon 16% Test Maxon 18% Test	11.48 12.01 11.26 11.48	16.00 14.00 16.00 18.00	16.50 15.75 16.25 18.00
	MILLER ALFALFA CO. Mark Center, Ohio			. ,
4772	Miller's Choice Brand Dehydrated Alfalfa Meal	7.89	20.00	21.75
	MINER-HILLARD MILLING CO. Wilkes-Barre, Pa.			
4958 5176	Choice Steam Cooked Hominy Fæd Choice Steam Cooked Hominy Feed MOLSON'S BREWERY, LTD. Montreal, Canada	10.91 10.51	10.00	10.50 11.00
5455	Molson's Brewers Bried Grains	8.28	23.00	26.50
	GEO. Q. MOON & CO., INC. Binghamton, N.Y.			
4615 4613 4612 5210 5207 4708	Moon Baby Chick Grains Moon Complete Growing Mash Moon Complete Laying Mash Moon 16% Dairy Ration Moon Horse Feed Moon Laying Mash Moon Rabbit Pellets Moon Scratch Feed	13.48 10.63 11.44 12.80 13.01 10.71 9.46 12.51	10.00 16.00 16.00 16.00 9.00 22.00 15.00 10.00	8. 25 16. 38 16. 25 17. 25 10. 50 22. 00 17. 50 10. 00
	MOWAT, WILSON & CO. Detroit 35, Michigan			
	Dried Beet Pulp Dried Beet Pulp and Feeding	10.46	7.00	7.88
	Beet Molasses NAPOLEON ALFALFA MILLS, INC., Napoleon, Ohio	8.30	7.00	11.00
4890	Evergreen Brand 17% Dehydrated Alfalfa Meal	7. 78	17.00	17.88

Analyses

F	at	Fit	er	
Guaran- teed not less than	Found	Guaran- teed not more than	Found	Medicants
3.50 3.50 4.00 4.00	4.30 3.50 3.79 4.18	10.00 10.00 9.00 9.00	6.17 7.61 7.09 7.62	
1.50	2.90	20.00	20.17	
5.00	5.14 5.08	5.00 5.00	3.53 3.69	
7.00	5.76	15.00	12.08	,
1.50 4.50 4.50 3.50 1.50 4.00 2.50 2.00	1.84 4.50 5.09 3.03 3.59 4.94 3.69 2.96	2.50 6.50 6.50 10.00 10.00 6.50 12.00 5.00	1.13 5.47 5.46 7.86 8.52 3.18 10.30 2.92	-
0.30	0.64	22.50	19.91	
1. 25	3.12	27.00	20.35	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

·			Prot	
Station No.	Manufacturer and brand	Moist- ure	(N x Guaran- teed not less than	Found
	NAPPANEE MILLING CO., INC. Nappanee, Indiana			
3214	Hominy Feed	11.43	10.00	10.13
	NATIONAL ALFALFA DEHYDRAT ING & MILLING CO. Lamar, Colorado			
5420 5416	Krumbles National 15% Protein Dehydrated	7, 39	13.00	14.50
5415	Alfalfa Meal National 17% Protein Dehydrated	8.10	15.00	16.75
	Alfalfa Meal	8.66	17.00	17.00
	NATIONAL BISCUIT CO. Toledo, Ohio			
	Namico Pure Wheat Bran	11.66	14.00	14.75 14.00
5360	Wheat Germ Meal	9.85	25.00	25.00
	NATIONAL DISTILLERS PRODUCTS CO., N.Y., N.Y.			
5508	Nadrisol Brand Corn Distillers Dried Solubles	5.44	25.00	27.00
4633	Produlac Brand Special Process Corn Distillers Dried Solubles	10.43	25.00	27.00
	NATIONAL VITAMIN PRODUCTS CO., Minneapolis, Minn.			
5512	Calvita Vealer Milk Replacer Medicated	6.15	21.00	21.25
	NOPCO CHEMICAL CO. Harrison, N. J.			
3217 5384 4891	Nopco-Pak Hi-Lay Premix Nopco-Pak Super Premix Nopdex ''3000''	5.71 6.71 10.17	2.00 1.00 10.00	10.00 17.50 10.00
	NORTHERN OHIO SUGAR CO. Findlay, Ohio			
5413 5589	GW Dried Beet Pulp GW Dried Beet Pulp & Beet Moksses	9.41 4.91	8.00 8.50	9. 25 10. 50

F	at .	Fib	er	
Guaran- teed not less than	Found	Guaran- teed not more than	Found	Medicants
6.50	9.76	6,00	4.44	
1.50	2,82	33.00	28.10	
1.50	2. 76	30.00	26.48	
1.50	2.41	27.00	24.49	
3.50 3.00 9.00	4.09 3.79 8.34	9.00 10.00 3.00	6.98 8.53 3.00	
8.00	11.26	4.00	3.62	
8.00	8.74	9.00	6.28	
4.00	3.07	0.50	0.17	Chlortetracycline hydrochlor- ide: Guar., 0.030 gm/lb.; not determined.
0.50 1.00 0.50	3.79 1.99 2.14	16.00 25.00 37.00	16.00 8.93 33.76	
	0.34 0.54	22.50 18.00	20.51	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

To.			Prote	
Station No.	Manufacturer and brand		Guaran- teed not	23,
Stat		Moist- ure	less than	Found
	OGDEN GRAIN CO. Utica, N.Y.			
6086	Complete Chick Starter Medicated	11.66	20.00	20.00
5340	Life Span 15	11.50	15.00	16.00
4738	Life Span 18	11.36	18.00	18.25
4740 5694	Ogden Complete Grower Ogden Complete Layer Medicated	11.20	16.00	16.75 16.00
4761	Ogden Econ-O-Mix 16% Dairy Feed	11.70	16.00	16.50
5211	Ogden 16 Hi-Energy Dairy Pellets	10.29	16.00	16.00
4837	Ogden Hi-Energy Laying	10.99	16.00	18.75
5212	Ogden 16% Hi-Kal Dairy Pellets	10.79	16.00	17.00
4760	Ogden Hi-Value Complete Layer Ogden Horse Feed	11.52	16.00	16.00 10.75
4732	Ogden 20% Laying Feed	11.03	20.00	20.50
5215	Ogden Medicated Complete Calf			
	Starter	11.56	18.00	18.00
5341	Ogden Milk Replacer	4.45	21.00	22. 75
4835	Ogden Premium Dry & Freshen- ing Ration	12.00	14,00	15.50
4736	Ogden Premium 20% Milk Ration	11.01	20.00	21.75
5339	Ogden Premium 14 Pel-Flake	12.98	14.00	17. 25
4739	Ogden Premium 16 Pel-Flake	13.00	16.00	16.25
5208	Ogden Premium Test Cow 16	11.31	16.00	14.50
4729	Ogden Premium Test Cow 18 Ogden Rabbit Pellets	12. 25	18.00	20. 25
4737	Ogden Reliable 16 Dairy Ration	11.83	16.00	16.00
4728	Ogden R S 10	11.57	10.00	10.75
4762	Ogden C. L. Special 16	11.59	16.00	16.75
4731	Ogden Super Hi-Energy Laying			
F212	Feed	10.35	20.00	22. 25
5213	Ogden Super Pig Ration Soybean Meal	10.90	14.00	14.00 46.50
5669	Ogden Complete Layer Medicated OHIO BLENDERS, INC.	10.67	16.00	17.00
	Toledo, Ohio			
5456	Big "O" Dehydrated Alfalfa Pellets	8.06	17.00	17.00

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Analyses

Fa	t	Fib	er	
Guaran- teed not		Guaran- teed not	-	Medicants
less than	Found	more than	Found	
3.00	3.66	4.00	4.00	
3.50 3.50 3.50 3.50	3.89 3.79 3.83 3.67	8.00 8.00 3.50 3.50	6.28 5.82 4.12 2.89	Arsanilic Acid: Guar., 0.01%; found, 0.0122%.
3.00 4.50 4.50 4.00 3.00 3.00 4.00	3.37 4.90 4.24 4.04 3.07 3.74 3.91	12.00 8.00 3.50 8.00 5.50 9.00 3.50	10.80 8.00 3.64 8.00 6.10 6.42 2.06	ound, 0.012270.
3.00 8.50	2.94	8.00	7.96	Chlortetracycline hydrochlor- ide: Guar., 0.025 gm/lb.; not determined.
4.00 3.50 4.00 4.00 4.00 4.00 3.00 3.00 2.00 3.50	3. 92 3. 59 3. 14 3. 25 4. 82 3. 41 2. 91 3. 70 2. 03 2. 64	8.00 8.00 8.00 8.00 8.00 12.00 9.00 20.00 8.50	6.50 7.49 6.98 7.30 7.25 6.14 9.65 7.21 12.24 7.49	
4.50 3.50 3.50	6.16 4.20 1.44 3.35	4.00 7.00 3.50	4.72 5.58 7.50 3.50	Arsanilic acid:Guar., 0.01%; found, 0.0123%.
1.50	3.64	27.00	25.30	

Connecticut	Experiment Station	Bulletin 651

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

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	TABLE I. ANALYSES OF COM	MERCIF	L FEED	5
No.			Prote (N x 6.	
Station No.	Manufacturer and brand	Moist- ure	Guaran- teed not less than	Found
	PARRISH & HEIMBECKER, LTD. Toronto, Montreal, Canada			
4829	"Parrheim" Pure Wheat Shorts	12.35	14.00	16.63
	PASCO PACKING CO. Dade City, Florida			
5377 4836	O-MI-O Citrus Pulp Sugar Sweet Citrus Pulp	9.60 11.43	6.00 6.00	
	PENICK & FORD LTD., INC. Cedar Rapids, Iowa			
5277	21% Protein Douglas Corn Gluten Feed	9.42	21.00	21.00
	PERRYSBURG ALFALFA MILLS, INC., Perrysburg, Ohio			
3201	20% Dehydrated Alfalfa Meal	7.80	20.00	19.25
	CHAS. PFIZER & CO., INC. New York 17, N.Y.			
5750	Triple-Biotic Mix	7. 71		19.75
	PRAIRIE DEHYDRATING CO. Roanoke, Illinois			
5507	Prairie 20% Dehydrated Alfalfa Meal	8.27	20.00	20.00
	PUBLICKER INDUSTRIES, INC. Philadelphia, Pa.			
4779	Paco Molasses Distillers Dried Solubles	6.68	10.00	10.00
	THE QUAKER OATS CO. Chicago, Illinois			
5401	Ful-0-Pep Derwood Horse Crunch	9.54	15.00	16.25

F	at	Fil	per	
Guaran- teed not less than	Found	Guaran- teed not more than	Found	Medicants
3.50	4.76	8.00	7.46	
3.00 3.00	3.04 2.50	16.00 13.50	11.31 10.61	
1.00	2.19	10.00	6.82	
2.00	3.48	22.00	23.29	
	1.96		6.03	Chlortetracycline hydrochloride: Guar., 150,000 mg/20 lbs. not determined. Streptomycin: Guar., 112,500 mg/20 lbs.; not determined.
1.50	4.12	27.00	20.31	
0.50	0.49	5.00	0.10	
4.00	3.74	10.00	10.00	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

		1		
10.			Pro (Nx	
Station No			Guaran-	,
Ho	Manufacturer and brand		teed not	
ital		Moist-	less	
<u> </u>		ure	than	Found
	THE QUAKER OATS CO. of CANA- DA LTD., Peterborough, Ontario, Canada			
4645 5418	Hominy Feed Peterborough Oat Mill By-Product	10.76 8.81	9.00 2.50	11.00 3.75
	RALSTON PURINA COMPANY St. Louis, Mo.			
5492	41% Protein Solvent Extracted Cottonseed Meal	8,77	41.00	38, 25
5279	Purina Aureomycin-Etts	8.44	17.00	18.75
5758	Purina Baby Pig Chow Medicated	8.02	18.00	18,50
4941	Purina B & M Cow Chow	12.02	16.00	16.00
5490	Purina B & M Cow Chow G	12.79	16.00	16.00
4949 6056	Purina Breeder Layena	12.07	16.00	16.00
0050	Purina Broiler Chow Finisher (E) 1-MP Medicated	8.89	20.00	22.25
6057	Purina Broiler Chow MP Medicated	10.96	20.00	21.25
5751	Purina Broiler Chow Starter NC Medicated	10.46	23.00	25,50
4620	Purina Bulky Las	12.22	10.00	10.75
4939	Purina Calf Startena (Coarse)	10.79	19.50	20. 25
5253	Purina Calf Startena	10.00	19.50	20.50
5500	Purina Chick Chow (Fine)	12.73	9.00	9.50
5494	Purina Chick Chow (Coarse)	12.62	9.00	
5267 5964	Purina Chick Growena Purina Chick Startena ZO Med.	10.22	17.00	17. 25 19. 25
5254	Purina Cow Chow D 16%	11.72	16.00	17.50
5362	Purina Cow Chow D (B) 16%	10.80	16.00	17.00
5489	Purina Cow Chow D (B) 16% 1420	11.34	16.00	18.00
5280	Purina Cow Chow D 20%	10.79	20.00	20.50 14.50
5255	Purina Custom Developer	10.94	13.00	14, 50

F	at	Fib	er	
Guaran- teed not less than	Found	Guaran- teed not more than	Found	Medicants
6.00	7.50 1.44	7.00 32.00	3.54 25.29	
1.00	2.17	14.00	12.25	
2.50	5.50	30.00	19.60	Chlortetracycline hydrochlor-
				ide: Guar., 2 gms/lb.; not determined.
5.00	6.08	3.00	1.99	3-Nitro-4-hydroxyphenylarson- ic acid: Guar., 0.005%; found, 0.0051%. Chlortetracycline hydrochloride: Guar., 0.025
1				gm/lb.; not determined.
2.50	2.40 3.94	10.00 10.00	4.92 5.41	
3.50	3.73	4.50	3.02	
4,50	9.03	4.50	2.55	Amprolium: Guar., 0.0125%;
				found, 0.0105%.
3.00	4.79	5.00	2, 56	Amprolium: Guar., 0.0125%; found, 0.0104%.
5.00	5.98	5.00	2.49	3-Nitro-4-hydroxyphenylarson- ic acid: Guar., 0.005%; found, 0.0049%. Nicarbazin: Guar., 0.0125%; found, 0.0144%.
1.00	1.89	15.00	12.10	, , , , , , , , , , , , , , , , , , , ,
2,50	2.94	8.00	4.84	
5.00	6.27	11.00	8.14	
2.00	2.69 3.41	4.00 4.00	1.09 1.47	
3.00	3.59	7.00	5.93	
3.00	4. 26	6.00	3.92	Zoalene: Guar., 0.0125%; found, 0.0126%.
2.50	3.55	6.00	3.86	10 11 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2.50	3.64	6.00	5.72	
2.50	3.16	6.00	3.73	
2.50	3.34 4.04	6.00 9.00	5.96 7.95	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

			Prot	ein
0			(N x 6	
No.				
Station	Manufacturer and brand		Guaran-	
tic		Moist-	teed not	
ita		ure	than	Found
5278	Purina Complete Sow Chow	11.54	16.00	16.25
5499	Purina D & F Chow	10.50	12.50	13.75
4919	Purina D & F Chow (Coarse)	11.79	12.50	12.50
5252	Purina Dairy Chow L 14% (Coarse)		14.00	14.00
5363	Purina Dairy Chow L 16%	10.33	16.00	16.00
5283	Purina Duck Growena	10.61	18.00	19. 25
4918	Purina Eggena NE	11.34	16.00	16.50
5291	Purina Eggena NE	10.63	16.00	16.00
4948	Purina Game Bird Finisher	11.25	20.00	20.25
5262	Purina Game Bird F & M Chow	10.57	19.00	19.00
5677	Purina Game Bird Startena SQ			
	Medicated	9.69	30.00	30.00
5281	Purina Goat Chow (Coarse)	11.66	16.00	16.00
5496	Purina Goat Chow Checkers 5515	4.89	16.00	16.06
5757	Purina Hog Finisher No. 1 Med.	11.12	14.00	16.25
4946	Purina Lay Chow	10.26	22.00	23.00
4621	Purina Layena (Complete Ration)	11.49	16.00	16, 13
5827	Purina Medicated Chek-R-Aid	10.31	20.00	20.50
4938	Purina Milk Chow D 16% (Coarse)	13.07	16.00	17.38
5488	Purina Milk Chow D 16% 1445	10.70	16.00	16.25
5487	Purina Milk Chow D 20% (Coarse)	11.66	20.00	20.75
5491	Purina Milk Chow D 20% 1453	10.44	20.00	21.75
4947	Purina Mink Breeder Chow	10.19	20.00	23. 25
5359	Purina Mink Developer Chow	9.57	20.00	21.50
5498	Purina Nursing Chow	6.85	25.00	27.75
4901	Purina Omolene	11.40	10.00	11.00
5753	Purina Pig Startena Medicated	10.82	18.00	20.00
5956	Purina Pullet Developer (F) ZO			
	Medicated	10.38	13.00	13.00
F03.0	D . D			
5819	Purina Rabbit Chow Checkers NF	10.50	15.00	1/ 50
	SQ Medicated	10.58	15.00	16.50
			·	

F	at	Fil	oer	
Guaran-		Guaran-		Medicants
teed not		teed not		Medicants
less than	Found	more than	Found	
2.50	3.12	6.00	4.67	
2.50	3,60	11.00	7.53	
2.50	2.60	11.00	6.25	
2.50	2.69	12.00	8.43	
2.50	3.04 3.61	12.00 5.00	10.42	
3.00	4.29	4.50	3.44	
3.00	4.40	4.50	3.41	
2.50	3.34	6.00	4.66	
2.00	3.57	12.00	5.11	
2.50	3.40	6.50	4.30	Sulfaquinoxaline: Guar., 0.0175% found, 0.0192%.
3.00	3. 29	9.00	5.87	
2.50	3.59	8.00	4.86	
2.50	3.80	7.00	3.62	3-Nitro-4-hydroxyphenylarson- ic acid: Guar., 0.0025%; found, 0.0029%.
3.50	3.98	5.50	3.91	
3.50 4.50	4. 25 5. 15	4.50 4.50	3. 21 4. 36	Furazolidone: Guar., 0.01%;
				found, 0.0102%. Chlortetracy- cline: Guar., 0.025 gm/lb; not determined. Terramycin hy- drochloride: Guar., 0.025 gm/ lb; not determined.
2.50	3,20	10.00	7.04	lo, not determined.
2.50	4.67	10.00	6.08	
2.50	4. 25	10.00	6.56	
2.50	4.54 3.46	10.00	5. 24	
2.50	3.00	5.00	4.65	
2.50	2.69	1.50	0.72	
3.00	3.60	9.00	6.66	
4.00	4.62	5.00	3.22	3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found,
				0.0055%. Terramycin Hydroch-
				loride: Guar., 0.025 gm/lb;
				not determined.
2.50	4.69	9.00	7.40	Zoalene: Guar., 0.0083%; found, 0.0080%.
2.00	2.94	18.00	13.32	Furazolidone: Guar., 0.0055%; found, .0057%. Sulfaquinoxaline: Guar., 0.025%; found, 0.0226%,

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

No.			Prote (N x 6.	
Station No.	Manufacturer and brand		Guaran- teed not	
Stat		Moist- ure	less than	Found
4902	Purina Rabbit Chow Checkers	9.39	15.00	17.25
5497 4623	Purina Rabbit Chow Checkers Purina Rabbit Chow Checkers 20%	4.96 10.11	15.00	16.50 21.50
5264	Purina Rabbit Chow Checkers WO	10.32	15.00	16.00
5351 5282	Purina Range Checkers Purina Roaster Chow	9.86 10.15	20.00 15.00	15.25 16.25
5364	Purina Silage Preserver	11.37	10.00	10.00
5263	Purina Special Steer Fatena 32% Purina Squab Broiler Chow 3 NC Medicated	9.97 12.01	32.00	32.00
5493	Purina Turkey Finisher No. 2	11.21	13.50	16.50
4940	Purina Turkey Growena No. 1 Purina Turkey Growena No. 2	10.27	23.00	23.00
5265	Purina Turkey Finisher No. 1	10.00	15.00	16. 25
	READING MILLING CO., INC. Reading, Pa.			
4618	Faramel Rabbit Food Pellets	10.35	16.00	16.25
	RUSSELL MILLER-KING MIDAS MILLS, Minn. 15, Minn.			
5327 4709	Occident Wheat Bran Occident Wheat Middlings	11.29 10.52	15.00 16.00	16.50 16.00
	WOLF SAVITSKY & SONS, INC. Shelton, Conn.			
5696	Wolf's Broiler Finisher Medicated	10.94	19.00	19.88
5301	Wolf's Calf Starter	11.10	18.00	18.25
5663	Wolf's Complete Hi-Eff Egg Breeder Mash Medicated	11.23	16.00	18.00
4635	Wolf's Complete Hi-Eff Growing Mash	12.11	16.00	16. 25
3109	Wolf's Complete Hi-Eff Profit Builder Medicated	12.12	16.00	16.38
5697	Wolf's Complete Hi-Eff Profit Builder Medicated	11.54	16.00	16.50
4706 4634	Wolf's 14% Dairy Ration Wolf's 16% Dairy Ration	11.43 12.25	14.00 16.00	15.00 16.50

Guaranteed not less than Guaranteed not less than Guaranteed not less than Medicants 2.000 3.09 18.00 12.97 2.00 3.12 18.00 12.93 2.00 2.55 16.00 14.82 2.00 2.95 18.00 12.99 2.00 3.68 10.00 5.76 4.00 4.41 4.50 2.98 1.50 1.66 18.00 15.56 1.50 2.24 12.00 7.49 3.50 3.84 4.50 3.63 3.00 3.84 4.50 3.63 3.00 3.84 4.50 3.63 3.00 3.84 4.50 3.63 3.00 3.84 6.00 4.27 4.00 3.89 4.50 3.69 3. Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0125%; found, 0.0100%. 3.00 3.12 4.00 3.43 4.00 4.00 3.00 4.00 3.03 4.00 2.99 3.00 3.15 4.00 3.02 Arsanilic acid: Guar., 0.0099%; found, 0.0117%. 3.00 3.48 4.00 3.66 3.00 3.04 4.00 3.00 3.04 4.00 9.00 3.66 3.00 4.00 9.00 3.62 10.00 7.00 4.70 4.70 4.70 4.70 4.70 4.70 4.70 4.70	F	at	Fil	per	
teed not less than			Guaran-		Medicants
than Found than Found 2.00	1				Wedicants
2.00	1	Found		Found	
2.00					
2.00 2.95 18.00 12.99 2.00 3.68 10.00 5.76 4.00 4.41 4.50 2.98 1.50 1.66 18.00 15.56 1.50 2.24 12.00 3.84 4.50 3.27 3-Nitro-4-hydroxyphenylarson-ic acid: Guar., 0.005%; found, 0.0056%. Nicarbazin: Guar., 0.0125%; found, 0.0125					
2.00 3.68 10.00 5.76 2.98 1.50 1.66 18.00 15.56 1.50 2.24 12.00 7.49 3.50 3.84 4.50 3.27 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0056%. Nicarbazin: Guar., 0.0125%; found, 0.0125%; fou					
1.50					
1.50 2.24 12.00 7.49 3.50 3.84 4.50 3.27 3-Nitro-4-hydroxyphenylarson-ic acid: Guar., 0.005%; found, 0.0056%. Nicarbazin: Guar., 0.0056%. Nicarbazin: Guar., 0.0125%; found, 0.0125%; found, 0.0138%. 4.00 3.66 4.50 4.70 3.60 4.27 4.00 3.89 4.50 3.69 3.00 2.89 15.00 13.71 4.00 4.04 4.57 9.50 10.05 3.00 3.12 4.00 3.43 Arsanilic acid: Guar., 0.0099%; found, 0.0100%. 2.75 3.79 9.00 2.95 3.00 3.15 4.00 3.02 Arsanilic acid: Guar., 0.0099%; found, 0.0117%. 3.00 3.48 4.00 3.31 Arsanilic acid: Guar., 0.0099%; found, 0.0106%. 3.00 3.04 4.00 3.66 Arsanilic acid: Guar., 0.0099%; found, 0.0101%.	1				
3.50 3.84 4.50 3.27 3-Nitro-4-hydroxyphenylarson-ic acid: Guar., 0.005%; found, 0.0056%. Nicarbazin: Guar., 0.0056%. Nicarbazin: Guar., 0.0056%. Nicarbazin: Guar., 0.0125%; found, 0.0125%; found, 0.0138%. 4.00 3.66 4.50 3.63 4.70 3.00 3.84 6.00 4.27 4.50 3.69 3.00 2.89 15.00 13.71 4.00 4.04 11.00 10.63 4.00 4.57 9.50 10.05 3.00 3.12 4.00 3.43 Arsanilic acid: Guar., 0.0099%; found, 0.0100%. 2.75 3.79 9.00 2.95 3.00 3.15 4.00 3.02 Arsanilic acid: Guar., 0.0099%; found, 0.0117%. 3.00 3.03 4.00 2.99 3.00 3.48 4.00 3.31 Arsanilic acid: Guar., 0.0099%; found, 0.0106%. 3.00 3.04 4.00 3.66 Arsanilic acid: Guar., 0.0099%; found, 0.0106%. 3.00 4.00 9.00 6.16				4	
4.00 3.66 4.50 3.63 4.70 3.00 3.84 6.00 4.27 4.00 3.89 4.50 3.69 3.00 3.12 4.00 3.43 Arsanilic acid: Guar., 0.0099%; found, 0.0110%. 3.00 3.15 4.00 3.02 Arsanilic acid: Guar., 0.0099%; found, 0.0117%. 3.00 3.48 4.00 3.31 Arsanilic acid: Guar., 0.0099%; found, 0.0117%. 3.00 3.48 4.00 3.66 Arsanilic acid: Guar., 0.0099%; found, 0.0106%. 3.00 3.04 4.00 3.66 Arsanilic acid: Guar., 0.0099%; found, 0.0106%. 3.00 3.04 4.00 3.66 Arsanilic acid: Guar., 0.0099%; found, 0.0101%.					3-Nitro-4-hydroxyphenylarson-
4.00 3.66 4.50 3.63 4.70 3.00 3.84 6.00 4.27 4.50 3.69 3.00 3.89 15.00 13.71 4.00 4.04 11.00 10.63 4.50 3.00 3.00 3.12 4.00 3.43 Arsanilic acid: Guar., 0.0099%; found, 0.0117%. 3.00 3.15 4.00 3.02 Arsanilic acid: Guar., 0.0099%; found, 0.0117%. 3.00 3.48 4.00 3.31 Arsanilic acid: Guar., 0.0099%; found, 0.0106%. 3.00 3.04 4.00 3.66 Arsanilic acid: Guar., 0.0099%; found, 0.0106%. 3.00 3.04 4.00 3.66 Arsanilic acid: Guar., 0.0099%; found, 0.0101%.					
4.00 3.66 4.50 3.63 4.70 3.00 3.84 6.00 4.27 4.00 3.89 4.50 3.69 3.00 2.89 15.00 13.71 4.00 4.04 11.00 10.63 10.05 3.00 3.12 4.00 3.43 Arsanilic acid: Guar., 0.0099%; found, 0.0100%. 3.00 3.15 4.00 3.02 Arsanilic acid: Guar., 0.0099%; found, 0.0117%. 3.00 3.03 4.00 2.99 3.00 3.48 4.00 3.31 Arsanilic acid: Guar., 0.0099%; found, 0.0106%. 3.00 3.04 4.00 3.66 Arsanilic acid: Guar., 0.0099%; found, 0.0106%. 3.00 3.04 4.00 3.66 Arsanilic acid: Guar., 0.0099%; found, 0.0101%.					
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4.00 3.89 4.50 3.69			1		
3.00 2.89 15.00 13.71 4.00 4.04 11.00 10.63 4.00 3.12 4.00 3.43 Arsanilic acid: Guar., 0.0099%; found, 0.0100%. 2.75 3.79 9.00 2.95 3.00 3.15 4.00 3.02 Arsanilic acid: Guar., 0.0099%; found, 0.0117%. 3.00 3.03 4.00 2.99 3.00 3.48 4.00 3.31 Arsanilic acid: Guar., 0.0099%; found, 0.0106%. 3.00 3.04 4.00 3.66 Arsanilic acid: Guar., 0.0099%; found, 0.0101%.	1				
4.00 4.04 11.00 10.63 4.00 3.43 Arsanilic acid: Guar., 0.0099%; found, 0.0100%. 2.75 3.79 9.00 2.95 3.00 3.15 4.00 3.02 Arsanilic acid: Guar., 0.0099%; found, 0.0117%. 3.00 3.03 4.00 2.99 3.00 3.48 4.00 3.31 Arsanilic acid: Guar., 0.0099%; found, 0.016%. 3.00 3.04 4.00 3.66 Arsanilic acid: Guar., 0.0099%; found, 0.0101%.		3007	1.00	3,07	
4.00 4.04 11.00 10.63 4.00 3.43 Arsanilic acid: Guar., 0.0099%; found, 0.0100%. 2.75 3.79 9.00 2.95 3.00 3.15 4.00 3.02 Arsanilic acid: Guar., 0.0099%; found, 0.0117%. 3.00 3.03 4.00 2.99 3.00 3.48 4.00 3.31 Arsanilic acid: Guar., 0.0099%; found, 0.016%. 3.00 3.04 4.00 3.66 Arsanilic acid: Guar., 0.0099%; found, 0.0101%.					
4.00 4.04 11.00 10.63 4.00 3.43 Arsanilic acid: Guar., 0.0099%; found, 0.0100%. 2.75 3.79 9.00 2.95 3.00 3.15 4.00 3.02 Arsanilic acid: Guar., 0.0099%; found, 0.0117%. 3.00 3.03 4.00 2.99 3.00 3.48 4.00 3.31 Arsanilic acid: Guar., 0.0099%; found, 0.016%. 3.00 3.04 4.00 3.66 Arsanilic acid: Guar., 0.0099%; found, 0.0101%.	2 22	2 00			
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4.00 4.57 9.50 10.05 3.00 3.12 4.00 3.43 Arsanilic acid: Guar., 0.0099%; found, 0.0100%. 2.75 3.79 9.00 2.95 3.00 3.15 4.00 3.02 Arsanilic acid: Guar., 0.0099%; found, 0.0117%. 3.00 3.03 4.00 2.99 3.00 3.48 4.00 3.31 Arsanilic acid: Guar., 0.0099%; found, 0.0106%. 3.00 3.04 4.00 3.66 Arsanilic acid: Guar., 0.0099%; found, 0.0101%. 3.00 4.00 9.00 6.16					
4.00 4.57 9.50 10.05 3.00 3.12 4.00 3.43 Arsanilic acid: Guar., 0.0099%; found, 0.0100%. 2.75 3.79 9.00 2.95 3.00 3.15 4.00 3.02 Arsanilic acid: Guar., 0.0099%; found, 0.0117%. 3.00 3.03 4.00 2.99 3.00 3.48 4.00 3.31 Arsanilic acid: Guar., 0.0099%; found, 0.0106%. 3.00 3.04 4.00 3.66 Arsanilic acid: Guar., 0.0099%; found, 0.0101%. 3.00 4.00 9.00 6.16					
3.00 3.12 4.00 3.43 Arsanilic acid: Guar., 0.0099%; found, 0.0100%. 2.75 3.79 9.00 2.95 3.00 3.15 4.00 3.02 Arsanilic acid: Guar., 0.0099%; found, 0.0117%. 3.00 3.03 4.00 2.99 3.00 3.48 4.00 3.31 Arsanilic acid: Guar., .0099%; found, .0106%. 3.00 3.04 4.00 3.66 Arsanilic acid: Guar., 0.0099%; found, .0101%.	1		l e		
2.75 3.79 9.00 2.95 found, 0.0100%. 3.00 3.15 4.00 3.02 Arsanilic acid: Guar., 0.0099%; found, 0.0117%. 3.00 3.03 4.00 2.99 3.00 3.48 4.00 3.31 Arsanilic acid: Guar., .0099%; found, .0106%. 3.00 3.04 4.00 3.66 Arsanilic acid: Guar., 0.0099%; found, 0.0101%.	4.00	7.51	7. 30	10.03	
2.75 3.79 9.00 2.95 found, 0.0100%. 3.00 3.15 4.00 3.02 Arsanilic acid: Guar., 0.0099%; found, 0.0117%. 3.00 3.03 4.00 2.99 3.00 3.48 4.00 3.31 Arsanilic acid: Guar., .0099%; found, .0106%. 3.00 3.04 4.00 3.66 Arsanilic acid: Guar., 0.0099%; found, 0.0101%.					
2.75 3.79 9.00 2.95 found, 0.0100%. 3.00 3.15 4.00 3.02 Arsanilic acid: Guar., 0.0099%; found, 0.0117%. 3.00 3.03 4.00 2.99 3.00 3.48 4.00 3.31 Arsanilic acid: Guar., .0099%; found, .0106%. 3.00 3.04 4.00 3.66 Arsanilic acid: Guar., 0.0099%; found, 0.0101%.	2 00	2 12	4 00	2 42	11. 6 0.0000
2.75 3.79 9.00 2.95 3.00 3.15 4.00 3.02 Arsanilic acid: Guar., 0.0099%; found, 0.0117%. 3.00 3.03 4.00 2.99 3.00 3.48 4.00 3.31 Arsanilic acid: Guar., .0099%; found, .0106%. 3.00 3.04 4.00 3.66 Arsanilic acid: Guar., 0.0099%; found, 0.0101%. 3.00 4.00 9.00 6.16	3.00	3,12	4.00		
found, 0.0117%. 3.00 3.03 4.00 2.99 3.00 3.48 4.00 3.31 Arsanilic acid: Guar., .0099%; found, .0106%. 3.00 3.04 4.00 3.66 Arsanilic acid: Guar., 0.0099%; found, 0.0101%.	2. 75	3.79	9.00		
found, 0.0117%. 3.00 3.03 4.00 2.99 3.00 3.48 4.00 3.31 Arsanilic acid: Guar., .0099%; found, .0106%. 3.00 3.04 4.00 3.66 Arsanilic acid: Guar., 0.0099%; found, 0.0101%.	3.00	3.15	4.00	3.02	Arsanilic acid: Guar0.0099%
3.00 3.48 4.00 3.31 Arsanilic acid: Guar., .0099%; found, .0106%. 3.00 3.04 4.00 3.66 Arsanilic acid: Guar., 0.0099%; found, 0.0101%.					
found, .0106%. 3.00 3.04 4.00 3.66 Arsanilic acid: Guar., 0.0099%; found, 0.0101%.	3.00	3.03	4.00	2.99	
found, .0106%. 3.00 3.04 4.00 3.66 Arsanilic acid: Guar., 0.0099%; found, 0.0101%.	3:00	3 48	- 4 00	3 31	Arsanilic acid: Guar 0099%.
3.00 4.00 9.00 6.16 found, 0.0101%.	3.00	3.10	1.00		
3.00 4.00 9.00 6.16 found, 0.0101%.	3 00	3 04	4.00	2 44	Amanilia acidi Cuar a coccadi
3.00 4.00 9.00 6.16	3.00	3.04	4.00	3.00	
3.00 3.62 10.00 7.00				T .	
	3.00	3.62	10.00	7.00	

100	Connecticut	Experiment	Station
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TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Z o Z			Pro (Nx	
Station No.	Manufacturer and brand	Moist- ure	Guaran- teed not less than	Found
		410	CITATI	Juna
4705 4707	Wolf's Horse Feed Wolf's 16% Test Ration	12.26	12.00	13.00 18.25
	SCHENLEY DISTILLERS, INC. New York, N.Y.			
5410	Corn Distillers Dried Grains	7.96	24.00	25, 25
3204	Schenley's Soludri Corn Distillers Dried Solubles	9.11	24.00	27.38
	GUSTAVE SCHMALTZ Rockfall, Conn.			
3092	Schmaltz Special Dairy (New Formula)	12.39	16.00	17.88
3153	Schmaltz Special Dairy (New Formula)	12.22	16.00	19.38
	SCHWAB BROS. MILES, INC. New Bavaria, Ohio			
3203	Dehydrated Bavaria Brand Alfalfa Meal 17%	7.39	17.00	18.50
	SEABOARD SUPPLY CO. Philadelphia, Pa.			
4896	Dried Tomato Pomace	6.41	20.00	20.50
	JOSEPH E. SEAGRAM & SONS, INC., New York, N.Y.			
3202	Seagram's Corn Distillers Dried Solubles	7. 98	25.00	30.00
	SEYMOUR GRAIN & COAL CO. Seymour, Conn.			
4676 4678 4680	Miracle 14% Calf Grower Miracle Dairy 16% Miracle Fitting Ration	11.28 11.12 11.82	14.00 16.00 14.00	14.00 16.13 12.50
5459 5452	Miracle Fitting Ration	14.53 11.31	14.00 16.00	$\frac{12.75}{16.00}$
4674	Miracle Hi-Efficiency Grower Miracle Hi-Energy All Mash Layer	10.64	16.50	16.50
5450	Miracle 20% Laying Mash	11.72	20.00	21.00
4679	Pasture Mix See More Milk Dairy Ration	10.55	9.00 18.00	9.50 18.00

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F	at	Fil	ber	
Guaran- teed not less than	Found	Guaran- teed not more than	Found	Medicants
2.75 3.00	3.09 4.28	10.00	7. 44 5. 83	
	10.00		7. 95	
5.00	12.41	4.00	4.14	
un cus	3.94		6.83	
···	3.93		6.61	
1.50	4.28	27.00	22.90	
10.00	10.91	34.00	26.60	
5.00	7. 26	5.00	3.39	
3.00 3.00 3.00 3.00 3.00 4.25 3.00 2.50 3.00	2.88 4.54 3.09 4.79 3.79 5.06 5.16 2.20 3.84	8.00 9.00 8.00 8.00 5.50 4.75 6.50 20.00 9.50	5. 54 6. 24 5. 60 6. 08 5. 50 3. 42 4. 62 11. 90 6. 75	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

			Prote (N x 6	
Station No.	Manufacturer and brand	Moist- ure	Guaran- teed not less than	Found
	THE SHERWIN-WILLIAMS CO. Cleveland, Ohio			
3210 5435	Sherwin-Williams 34% Linseed Oil Meal (Solvent Extracted) Sherwin-Williams 44% Soybean Oil Meal (Solvent Extracted)	12.16	34.00 44.00	36.38 46.25
	SHERWOOD FEED MILLS, INC. Baltimore, Md.			
5422	Sherwood Brewer's Dried Grains	8.32	26,00	26.00
	SOUTHERN FRUIT DISTRIBUTORS INC., Orlando, Fla.			
3095 5502	Bluebird Citrus Pulp Bluebird Citrus Pulp	9.72 12.50	6.00 6.00	6.00 6.00
	A. E. STALEY MFG. CO. Decatur, Illinois			
5406	Staley's 44% Protein Solvent Ex- tracted Soybean Oil Meal	10.78	44.00	47. 25
	F. W. STOCK & SONS Hillsdale, Michigan			
5440	Stock's Wheat Middlings with Ground Wheat Screenings	11.01	14.00	15.50
	SUNI-CITRUS PRODUCTS CO. Haines City, Fla.			
4667	Sweet Suni-Citrus Pulp	8.41	6.00	6.75
	SUNSHINE BISCUITS, INC. Grafton, Ohio			
5105	UMC Wheat Bran-Pure Wheat Bran	10.93	13.00	13.75
	S & W MILLS, INC. Archbold, Ohio			
5408	Green Acres 17% Dehydrated Alfalfa Meal	8.81	17.00	17.25

- Fat		Fiber		
Guaran- teed not less than	Found	Guaran- teed not more than	Found	Medicants
0.50	1.58	10.00	7. 96	
0.50	2.61	7.00	5.79	
6.00	5.51 ~~~~	15,00	9.06	
2.50 2.50	5. 08 2. 87	17.00 17.00	13. 18 13. 53	
0.50	2.09	7.00	7.00	
4.00	4.17	9.50	9.37	
3.00	5.19	15.75	12.86	
3.00	3.36	11.00	9.84	
1.50	2.54	27.00	23, 51	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

No.			Protein (N x 6.25)	
Station No	Manufacturer and brand	Moist- ure	Guaran- teed not less than	Found
	SWIFT & COMPANY Chicago, Illinois			
5292 3207	tracted Soybean Oil Meal	10.59	44.00	45.75
	vent Extracted Soybean Meal	10.92	50.00	50.88
	T. H. TAYLOR CO., LTD. Chatham, Ontario, Canada		10.70	3 m (1) 3
5299	Beaver Wheat Bran TRI ASSOCIATES, INC. Minneapolis, Minn.	11.71	13,50	15.50
5477	Tri's Grade A Brand Milk Replacer, Medicated	7.63	25.00	25, 25
	ULTRA-LIFE LABORATORIES, INC., East St. Louis, Illinois	n grande or		
4672 4677 4681	34% Protein Solvent Extracted Linseed Oil Meal Ultra-Life Beef-Gro Ultra-Life Calf Food Pellets	10.62	34.00 26.00	35.50 30.00
5460 5458	Medicated	10.31 8.84 7.86	24,00 20.00 24.00	24.00 23.75 28.50
	UNITED CO-OPERATIVE FARM- ERS, INC., Fitchburg, Mass.			
5824	UCF Booster 100 Medicated	10,41	17.00	16, 75
5825	UCF Booster NF 100 Medicated	10.43	17.00	17. 25
5220 5221 5225 5675	UCF 20% Dairy UCF Fitting Ration UCF Hi NRG All Mash Layer UCF Hi NRG Starter Medicated	11.26 10.44 10.43 10.85	20.00 14.00 16.50 20.00	21. 25 15. 13 17. 50 21. 25

Fat		Fiber		
Guaran- teed not less than	Found	Guaran- teed not more than	Found	Medicants
0.50	1.93	7.00	4.08	
0.50	1.38	3.00	2.47	
3.00	4.12	11.50	9.21	
4.50	4.91	2.00	1.17	Chlortetracycline hydrochlor-
1, 30	1. / 1	2,00		ide: Guar., 0.025 gm/lb.;
0.50	0.91	10.00	8,74	
5.00	4.22	8.00	6.02	
3.00 7.00	3.65 10.65	7.00 6.00	0.69 5.50	
1.00	1.97	5 . ⁴50	3.73	
4.00	4.59	4.50	2.92	Bifuran: Guar., 0.0063%; found, 0.0054%. Chlortetracycline
				hydrochloride: Guar., 0.025 gm/lb.;not determined. Bacitra-
4 00		4 = 4	5 50	cin: Guar., 0. 025 gm/lb.; not determined.
4.00	5.87	4.50	3,58	Furazolidone: Guar., 0.011%; found, 0.0112%.
3.00	3.16	9.00	6.69	
4.50	4.25 4.50	3,50 4.00	3 50 3,52	Sulfaquinoxaline: Guar., 0.0150% found, 0.0140%.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

.07			Protein (N x 6.25)	
Station No.	Manufacturer and brand	Moist- ure	Guaran- teed not less than	Found
5217 5223 6087	UCF Horse Feed UCF Layer UCF Medicated Booster 200	12.52 10.39 10.96	9.00 20.00 17.00	9.50 20.00 17.00
5823	UCF Medicated Booster NF 200	11.09	17.00	16.75
5222	UCF Medicated Hi-Po 200	10.48	17.00	17.00
5224 5226 5219	UCF Milk Replacer UCF Sheep Creep Ration Pellets UCF Succulent Dairy UNITY FEEDS, INC.	8.32 10.87 10.39	20.00 15.00 9.00	21.00 16.75 12.50
5693	Boston, Mass.	11.11	20,00	20, 25
5188 5187 5183 5184 5182 5199 5752	Unity Super Starter Medicated Unity Dairy & Fitting Ration Unity Growing & Laying Mash Unity High Energy Breeder Mash Unity High Energy Laying Mash Unity 16% Milkets Unity Pig & Hog Ration Unity Trim Medicated	11.11 12.48 10.48 10.50 10.67 10.77 10.49 10.87	14.00 20.00 16.00 15.00 16.00 17.00 15.50	14.00 20.00 16.50 15.50 18.00 17.00 16.50
5186	Unity Turkey & Game Bird Grow- ing Mash WARNER DOG FOOD CO., INC.	9.46	20.00	22.50
5386	Brooklyn 22, N.Y. Gold-N-Bone Shaped Biscuit	9.46	22.00	22.50
	WILLIAM S. WARREN & SON Eastford, Conn.			
5676	Warren's Chick Starter Medicated	10.02	20.00	20.00
4788 4786 4827 5334 4823	Warren's Dairy Fitting Ration Warren's Dairy Pellets No. 1 Warren's 16 Dairy Ration Warren's Dry & Freshening Ration Warren's Fitting Ration	12.05 11.13 12.75 11.54 12.31	12.00 16.00 16.00 12.00 14.00	13.88 17.63 15.50 12.75 15.75

F	at	Fiber		
Guaran- teed not less than	Found	Guaran- teed not more than	Found	Medicants
3.00 5.00 4.00	2.97 4.26 5.25	9.00 5.00 4.50	5.78 4.40 3.00	Chlortetracycline hydrochlor- ide: Guar., 0. l gms/lb.; not
4.00	4. 68 5. 56	4.50 4.50	3. 31 3. 65	determined. Furazolidone: Guar., 0.022%; found, 0.0201%. Chlortetracycline hydrochlor- ide: Guar., 0.1 gm/lb.; not
2.00 2.50 2.00	1.76 3.29 2.84	2.00 12.00 17.00	1.90 8.05 11.41	determined.
3.00 3.50 3.00 3.00 4.00 3.50 3.00 3.00	3.91 5.08 3.40 5.92 5.09 5.58 4.19 3.79	4.00 9.00 6.00 4.00 9.00 6.00 6.00	3. 25 7. 03 5. 40 3. 59 3. 15 6. 63 4. 92 4. 60	Nicarbazin: Guar., 0.010%; found, 0.0118%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0054%.
3.50	3.89	2.00	1.60	
3.00 3.00 3.00 3.00 3.00 3.00	3.89 3.37 3.64 4.09 3.88 2.59	5.50 10.00 9.00 11.00 9.50 11.00	5.31 8.64 8.17 7.82 7.38 8.17	Sulfaquinoxaline: Guar.,0.015% found, 0.0143%.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

۲. ره.			Prof (Nx6	
Station No.	Manufacturer and brand	Moist-	Guaran- teed not less than	
4792	Warren's Indian 16% Dairy	12,01	16.00	16.75
4824	Warren's Milk-Maker 15 Dairy Ration	12.46	15.00	16. 75
4790 4793	Warren's Test Cow 16 Warren's 20% Test Ration	11.89	16.00	17.63 20.75
	WATERTOWN CO-OPERATIVE ASS'N., INC., Watertown, Conn.			
5476	Watertown Co-op 16% Dairy Feed	11.32	16.00	16, 75
	H. K. WEBSTER CO. Lawrence, Mass.			
5666	Blue Seal All-Mash Egg Ration Medicated	11.57	16.00	16.75
5687	Blue Seal All-Mash Growing Ration Medicated	11.66	16.00	16.75
5644	Blue Seal All-Mash Growing Ration SQ Medicated	11.06	16.00	16.75
5216 5204 5638	Blue Seal Calf Starter Blue Seal Chick Feed Blue Seal Chick Starter Medicated	11.46 12.66 11.31	19.00 10.00 20.00	19.25 9.00 20.25
5441 5118 5201 5148 5149 5950	Blue Seal Coarse 16 Dairy Ration Blue Seal Coarse 20 Dairy Ration Blue Seal Dairy Nuggets Blue Seal Egg Mash Blue Seal Fat & Finish Ration Blue Seal C-5 Finisher Medicated	11.54 11.00 11.12 11.02 10.47 10.26	16.00 20.00 16.00 20.00 18.00 20.00	17.00 20.25 21.50 20.50 18.25 20.25
5442 4660 4640 4638 6089	Blue Seal Fitting Ration Blue Seal 770 Grower Blue Seal Horse Feed Blue Seal 880 Layer Blue Seal Medicated ORO Mix	11.22 11.14 11.97 11.74 10.94	14.00 15.00 10.00 16.00 20.00	15.75 15.50 11.50 16.50 21.00
5645	Blue Seal Medicated SQ Mix	10.06	20.00	21.63
4828 4830	Blue Seal Milkers' Sixteen Blue Seal Milkers' Twenty	12.51 11.97	16.00 20.00	16.00 20.00

Fa	ıt	Fi	ber	
Guaran- teed not less than	Found	Guaran- teed not more than	Found	Medicants
3.00	3.08	11.00	8.02	
3.00 3.50 3.50	3.82 3.20 3.08	8.00 8.50 10.00	7.10 8.31 6.32	
4.00	3.76	9.00	7.19	
4.00	3.69	3.50	2.78	Arsanilic acid: Guar., 0.01%; found, 0.0102%.
4.00	4,80	3.50	2,80	Arsanilic acid: Guar., 0.01%; found, 0.0092%.
4.00	4.29	3.50	3.50	Sulfaquinoxaline: Guar., 0.0175% found, 0.0180%. Arsanilic Acid:
3.00 2.50 3.50	3.04 3.89 3.82	8.00 4.00 4.50	6.37 2.00 4.23	Guar.,0.01%; found, 0.0125%. Sulfaquinoxaline: Guar., 0.0175% found, 0.0205%.
3.00 3.00 3.00 3.50 4.50 6.50	4.54 4.00 3.15 3.79 4.40 8.28	8.50 8.00 9.00 3.50 3.50 3.00	8. 25 7. 84 4. 24 3. 16 2. 83 2. 43	Zoalene: Guar., 0.0125%;
3.00 3.00 3.00 3.50 3.50	4.00 3.43 3.96 2.96 3.74	9.00 5.50 9.00 4.50 3.50	7.77 4.16 6.68 3.32 2.77	Chlortetracycline hydrochlor- ide: Guar., 0.1 gm/lb.; not
3.50	3.99 3.66	3.50 8.50	2.92	determined. Sulfaquinoxaline: Guar., 0.05%; found, 0.0426%.
3.00	3.51	8.50	6.17	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

·			Prote (N x 6	. 1
Station No.	Manufacturer and brand	Moist- ure	Guaran- teed not less than	
5829	Blue Seal NF-Mix Medicated	10.91	20.00	20.75
5673	Blue Seal Pig Feed Medicated	10.44	15.00	16. 75
5330 6082	Blue Seal Poultry & Turkey Fitting Blue Seal Poultry Wormer	12.04	12.00 16.00	12. 75 18. 25
5674	Blue Seal Rabbit Pellets Medicated	10.21	20.00	21.75
5202	Blue Seal Standard "14" Fitting Ration Blue Seal Standard "16" Dairy	11.57	16.00	15. 25
5200	Ration Blue Seal Standard 20 Dairy Ration Blue Seal Succulent Feed &	11.85	16.00	16.25 20.00
5695	Calving Ration Blue Seal Super Breeder's Mash	11.50 10.67	13.00 20.00	14.50 20.00
4831 5150	Medicated Blue Seal Test Ration Blue Seal Turkey Growing	12.40	18.00	18.75 20.00
	WEST-NESBITT, INC. Oneonta, N.Y.			
4654 4727 6051	All Pure Milk Ration Cream-Line Dairy-Test Ration Pure Feed Broiler Starter Med.	11.05 12.73 11.50	20.00 18.00 22.00	20.75 18.00 23.00
4723 5344 5343 4722 5346 4655 4725 5348 4726 5345 5347 4720 4721 5349	Pure Feed Complete Grower Pure Feed Complete Layer Pure Feed Complete Rabbit Pellets Pure Feed 16% Dairy Ration Pure Feed Dairy-Test Ration Pure Feed Egg & Breeder Pure Feed Egg Maker Pure Feed Grower Pure Feed Horse Ration Pure Feed Sweet "16" Pure Feed Swine Ration Pure Feed Turkey Finisher Pure Feed Turkey Grower West-Nesbitt Milk Replacer	10.86 10.75 11.00 11.47 11.52 11.20 11.17 11.20 12.84 11.26 9.73 11.17 10.23 4.50	14.00 17.00 16.00 16.00 18.00 22.00 20.00 18.00 9.00 16.00 14.00 22.00 21.00	15. 13 17. 75 16. 75 18. 75 19. 25 22. 00 20. 00 18. 00 10. 38 16. 13 16. 00 14. 00 21. 25 21. 75

Analyses

F	at	Fil	per	
Guaran- teed not less than	Found	Guaran- teed not more than	Found	Medicants
3.50	3.70	3.50	3.26	Furazolidone:Guar., 0.022%; found, 0.0202%.
4.00	4.57	6.00	4.61	Arsanilic acid: Guar., 0.01%; found, 0.0107%.
2.50 3.50	5.20 4.78	5.50 4.00	4.45 2.88	Phenothiazine: Guar.,.600%; found, .350%. Piperazine: Guar.,.100%; not determined.
3.00	3.34	12.00	7.91	Arsanilic acid: Guar., 0.01%; found, 0.0100%.
3.50	4.29	9.00	7.47	
3.50 3.00	4.06 3.17	8.50 8.00	7.15 8.00	
2.50 4.00	2. 72 4. 49	12.00 3.50	5.36 3.13	Arsanilic acid: Guar., 0.01%; found, 0.0091%.
3.00 4.50	3.49 5.54	8.50 4.00	6.61 3.62	0.00/1/0.
3.00 3.50 3.50	2.81 3.54 4.65	9.00 8.00 4.00	8.18 6.84 2.52	Amprolium: Guar., 0.0125%; found, 0.0107%.
3.00 3.00 3.50 3.50 3.00 3.00 3.00 3.00	4. 23 3. 89 3. 91 3. 75 3. 42 3. 94 3. 95 3. 85 3. 22 4. 08 4. 65 4. 40 3. 99 8. 50	8.00 4.50 14.00 8.00 8.00 6.50 5.00 10.00 9.00 8.00 5.00 5.50	4.58 3.29 10.36 6.21 5.76 3.84 4.58 4.28 6.81 5.92 6.23 3.43 3.72 0.25	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

	TABLE 1. MANEIBLE OF COMMERCIAL PREDE						
No.			Pro (Nx				
on J	Manufacturer and brand		Guaran-				
Station		Moist-	teed not				
St		ure	than	Found			
	A. C. WETHERELL						
	Suffield, Conn.						
5590	Special Dairy Ration No. 3	11.21	16.00	15.00			
	WHITMOYER LABORATORIES, INC., Myerstown, Pa.						
3220	Flav-A-Dee	7.09	38.00	42.50			
	THE GEO. WIEDEMANN BREWING CO., Newport, Ky.						
5304	Brewer's Dried Grains	7.01	24.00	31.00			
	WIRTHMORE FEEDS INC. Waltham, Mass.						
4910	Apex 16% Dairy Feed	12.11	16.00	18.00			
5229	Big W 16 Dairy Feed Producer All Pellet 16 Dairy Feed	10.52	16.00 16.00	16.50 18.25			
4609	Red Seal All Pellet 16 Dairy Feed	10.50	16.00	18.75			
4907	Wirthmore Baby Chick Scratch Wirthmore Big W 16 Dairy Feed	13.41	9.00 16.00	9.63 17.25			
5586	Wirthmore Breeder Mash	10.76	20.00	22. 25			
5701	Wirthmore Cage Layer Medicated	11.17	16.50	17. 75			
5478 4719	Wirthmore Calf Starter Wirthmore Calving Feed	9.98 11.36	22.00	25.00 15.50			
5642	Wirthmore Calving reed Wirthmore Chick Starter 400	11.30	14.00	19.50			
	Medicated	11.47	20.00	20.00			
5448 6096	Wirthmore Coarse Test Dairy Feed Wirthmore Commercial High Cal-	10.87	16.00	17. 25			
	orie Broiler Starter A607 Medicated	11.10	25.00	25.00			
4909	Wirthmore Complete Turkey Fattening Ration	12.06	14.00	15.75			
5957	Wirthmore Complete Turkey Grow- ing Ration 442 Medicated	11.11	18.00	19.38			
5285	Wirthmore 14 Dairy Feed	11.66	14.00	14.50			
4880	Wirthmore 16 Dairy Feed Wirthmore 20 Dairy Feed	12. 16 11. 77	16.00	16.25			
5433	Wirthmore 20 Dairy reed	110 ((20.00	20.00			

F	at	Fib	er	
Guaran- teed not less than	Found	Guaran- teed not more than	Found	Medicants
3,50	3.79	9.00	8.22	
9.00	10.31	5.00	4.21	
5.00	6.96	15.00	10.03	
3.00	3.58	9.00	7,46	
3.50	3.65	10.00	7.42	
3.00	4.97	12.00	9.66 8.71	
2.50 3.00	1.71 3.19	4.00	1.11 7.76	
3.50 3.50	4.40	5.50 4.50	3.12 3.02	Sodium arsanilate: Guar.,
				0.0088%; found, 0.0099%.
4.00	4.31	6.00 9.00	4. 25 6. 39	
4.00	4. 98	5.00	4.42	Sulfaquinoxaline: Guar.,
4.00	5.00	8.00	6.27	0.0175%; found, 0.0158%.
8.00	10.02	3.00	3.00	Amprolium: Guar., 0.0125%; found, 0.0132%.
3.00	3.69	5.00	3.67	
3.00	4.60	5.50	4. 20	4-Nitrophenylarsonic acid:
3.50	3.46	9.00	7.92	Guar., 0.025%; found, 0.0224%.
3.50	3.41 4.54	9.00	6.74	- '
3,30		1		
			1	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

.02			Pro (Nx			
Station No.	Manufacturer and brand		Guaran- teed not			
tić		Moist-	less			
Sta		ure	than	Found		
5730	Wirthmore .007% Dienestrol Dia- cetate Mixture in Wirthmore Finisher Medicated	9.96	17.00	19.50		
4611	Wirthmore FW Complete Growing Ration	11.79	15.00	15.00		
4911	Wirthmore Grow & Egg Mash	10.76	20.00	20.63		
5479	Wirthmore 18 Hi-Cal Dairy Feed Wirthmore Fodder Greens	11.76	18.00	18.00 11.75		
5485	Wirthmore 14 Hi-Cal Dairy Feed	10.54	14.00	17. 25		
5230	Wirthmore 16 Hi-Cal Dairy Feed	10.78	16.00	16.50		
4718 5668	Wirthmore Hi-Ener-G 16 Wirthmore Hi-Ener-G Layer	10.76	16.00	16.00		
	Medicated	10.82	16.00	16. 75		
5312	Wirthmore Hog Grower	10.39	15.00	15.50		
4903	Wirthmore Horse Feed	12.94	10.00	11.75		
0054	Wirthmore Improved Hi-Ener-G Broiler Ration A 434 Med.	10.50	22.00	22.00		
4912	Wirthmore Meatless Mink Food	10.42	12.00	14.63		
5284	Wirthmore Medicated Quickies	10.96	20.00	20.00		
6095 5826	Wirthmore Medicated Quick Perk Wirthmore Medicated Treat 431	11.00	20.00	20.00		
5504	Wirthmore Milk Mizer 217	8.09	28.00	28.00		
4610	Wirthmore Mink Food	9.70	23.00	24.00		
5321	Wirthmore New Hope Horse Feed Wirthmore O.P.M. Scratch	10.84	9.00	10.75 9.00		
5228	Wirthmore Pig & Sow Feed	10.36	16.00	17.00		
5227	Wirthmore Poultry Fitting	12.32	11.50	11.50		
6088	Wirthmore Poultry Wormer	10.81	18.00	18.75		
		0 (1	1/ 22	10.00		
4904 5155	Wirthmore Rabbit Pellets Wirthmore 16 Record Dairy Feed	9.64 12.00	16.00 16.00	18.38 16.00		
4908	Wirthmore 14 Record Fitting Feed		14.00	15.00		
6097	Wirthmore Roaster Finisher A 436 Medicated	11.26	18.00	18.00		
5313	Wirthmore Scratch	12.26	9.00	9.00		

	F	at	F	lber	
Guar teed les	not		Guaran- teed not more		Medicants
tha	n.	Found	than	Found	
4.	00	6.19	4.50		Nicarbazin: Guar., 0.0125%; found, 0.0144%. Sodium arsa-nilate: Guar., 0.0088%; found, 0.0072%. Dienestrol diacetate: Guar., 0.007%; not determined.
3. 4. 4. 2. 4. 4.	00 00 00 00	3. 79 4. 15 3. 54 2. 69 4. 99 3. 94 4. 09	6.00 5.00 8.00 20.00 8.00 4.50	4.86 3.93 5.67 11.61 6.52 6.80 4.02	
4. 3.	00	4.66 4.00 3.15	4.50 6.00 9.00	3. 22 4. 19 4. 51	Sodium Arsanilate: Guar., 0.0088%; found, 0.0115%.
5.	50	6.25	3.50	2.42	Amprolium: Guar., 0. 0125%; found, 0. 0089%.
5. 3. 5. 3.	50 00	6.51 4.96 7.24 4.99	5.00 4.50 4.00 4.50	3. 25 4. 18 3. 12 3. 64	Furazolidone: Guar., 0.022%; found, 0.0154%.
4. 7. 2. 3. 3. 2. 4.	00 50 00 50 50	4.59 7.12 2.60 3.24 4.08 2.58 8.04	2.25 4.00 12.00 5.00 6.00 6.50 4.00	1.33 2.95 8.57 3.55 5.12 4.55 3.20	Phenothiazine:Guar., 0.45%;
3. 3. 3.	00 50	3. 73 3. 50 3. 39	15.00 8.50 8.00	10.88 6.15 5.75	found, 0.290%. Piperazine: Guar., 125%; not determined.
4.		6.41 3.79	4.00 4.00	3.35 3.91	Amprolium: Guar., 0.0125%; found, 0.0130%.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.			Prot	ein
N u			/ NT (
u C			(Nx	20, 40)
	Manufacturer and brand		Guaran-	
Ti			teed not	
ta		Moist-	less	
Ś	,	ure	than	Found
5958	Wirthmore Squab Broiler Z450			
3930	Medicated	10.35	20.00	21, 25
	Medicated	10, 55	20.00	41, 45
5369	Wirthmore Stock Primer	11.50	14.00	16.00
	Wirthmore Twin Mix Calf Feed	11.46	18.00	20.25
	Wirthmore 16 Ultra-Cal Pellets		1000	
	Dairy Feed 537A	11.13	16.00	18.50
				10,00
	THE YANTIC GRAIN & PRODUCTS			
	CO., Norwich, Conn.		1	
4712	Big Y Calf & Beef Ration	12.79	10.00	12.25
	Big Y Calf Starter & Builder	11.69	17.00	19.75
	Big Y Calving Ration	11.44	14.00	14.13
	Big Y Calving Ration	10,55	14.00	12.50
	Big Y Chlortetracycline	10,55	11.00	*****
1111	(Aureomycin) Mixture	10.92	15.00	16.50
	(Automyon) Winter	10. /2	13.00	10,50
4933	Big Y Chlortetracycline			
	(Aureomycin) Mixture	11.36	15.00	16.00
	, ,			,
4715	Pin V Controlled Consulta Patien	10.31	15.00	14 00
	Big Y Controlled Growing Ration	10.31	15.00	16.00
2101	Big Y Dairy & Fitting Ration	11.42	14 00	14 12
1716	(Coarse)	12. 26	14.00	14. 13
4/10	Big Y 16% Dairy Ration		16.00	15.00
	Big Y 20% Dairy Ration	11.96	20.00	16.00
	Big Y Dairy Ration-Hi-G	10.99	16.00	18.00
5425	Big Y Dairy Ration 14 Purity	12 22	14 00	15 75
E 1 1 4	No Filler (Coarse)	12.33	14.00	15.75
	Big Y Dairy Ration 16 Purity	10.51	16.00	16.25
	Big Y Dairy Ration 18%	10.71	18.00	18.00
	Big Y Dairy Supplement 32%	10.66	32.00	29.25
	Big Y Energized 16 Dairy Feed	10.22	16.00	15.00
5690	Big Y Extra Production Laying	10 //	16.00	16.00
	Mash Medicated	10.66	16.00	16.00
5820	Big Y Extra Production Laying			
	Mash Medicated	11.24	16.00	16.75
F 4 5 1	D. 77 70	11 00	15 00	10.55
	Big Y Fitting Ration	11.00	12.00	13.75
	Big Y Hi-Efficiency Grower	11.21	15.00	15.00
5640	Big Y Hi-Efficiency Grower Medicated	11.54	15.00	16. 25

F	at	Fil	per	
Guaran- teed not less		Guaran- teed not more		Medicants
than	Found	than	Found	
4. 50	6.34	4. 50	3. 16 6. 32	Zoalene: Guar., 0.0125%; found, 0.0117%.
3.00	3.14	7.00	4.84	
5.00	5.04	6.00	4.14	
3.00 2.50 3.50 3.50	3.09 3.21 4.26 3.76	9.00 7.50 11.00 11.00	6. 28 5. 80 9. 04 8. 67	
3.50	3,83	5.00	3.98	Chlortetracycline hydrochlor- ide: Guar., 0.1 gm/lb.; not determined.
3.50	4.31	5.00	3.92	Chlortetracycline hydrochlor- ide: Guar., 0.05 gm/lb.; not determined.
3.00	3.31	10.00	8.12	
3.50 3.50 3.00 3.00	3.89 3.64 3.74 3.76	9.00 8.50 9.00 11.00	7.94 6.57 7.16 7.79	
3.50 3.50 3.00 2.00 4.00	3.58 3.99 3.23 2.88 4.62	9.00 9.00 9.00 8.00 6.50	7.67 7.87 7.54 5.62 6.34	
4.00	3.84	5.00	4.40	Arsanilic acid: Guar., 0.01%; found, 0.0120%.
4.00	3.76	5.00	4.93	Arsanilic acid: Guar., 0.01%; found, 0.0112%. Furazolidone: Guar., 0.011%; found, 0.0118%.
3.00 3.50 3.50	3.85 4.23 4.04	10.00 5.00 5.00	8.76 4.32 4.50	Sulfaquinoxaline:Guar., 0.0175% found. 0.0173%.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

:			Prot	ein
No.			(Nx	5. 25)
Ę	Manufacturer and brand		Guaran-	
Station			teed not	
tat		Moist-	less	
Ŋ		ure	than	Found
4693	Big Y Hi-Efficiency Laying Mash	11.46	16.00	16.00
4717	Big Y Hi-Efficiency Laying Mash			
	12000 Vit. A	10.76	16.00	16.25
4934	Big Y Hi-G Scratch Feed	12.47	9.00	9.50
5962	Big Y Histostat Mixture Mixed			
	with Big Y Turkey Fattener	10.56	17.00	18.50
5743	Big Y Histostat Mixture Mixed			
	with Big Y Turkey Growing Feed	10.30	20.00	21.50
5746	Big Y Histostate Mixture Mixed			
,	with Big Y Turkey Growing Feed	10.86	20.00	21. 25
4025	District District	11 00	17.00	14 25
4935 5388	Big Y Hog & Pig Ration Big Y Horse Feed	11.00	17.00	16.25
4694	Big Y Improved Broiler Finisher	10.86	19.00	18.75
6059	Big Y Improved Broiler Finisher	10.00	19.00	10. 15
0039	Medicated	11.41	19.00	20.00
	Wiedicated	11, 11	1,600	20,00
6049	Big Y Improved Broiler Ration			
	Medicated	11.41	21.00	23.25
5728	Big Y Improved Broiler & Starter			
	Ration Medicated	10.69	21.00	21.50
E 400	D: XX 1			
5423	Big Y Improved Turkey Starter	0.07	30 00	20.00
1001	& Game Bird Feed	9.97	28.00	29.00 20.00
4881 5822	Big Y 20% Laying Mash Big Y 20% Laying Mash Medicated	10.43	20.00	20.00
3022	Dig 1 20 % Daying Wash Wedicated	10.20	20.00	20.00
5179	Big Y M & O Growing Feed	11.07	18.00	18.25
6048	Big Y Peerless Broiler Ration	11.26	23.00	24.00
	Medicated			
5116	Big Y Poultry Fitting Ration	12.44	10.00	10.75
5726	Big Y Pre-Starter Medicated	9.20	26.00	27. 25
6060	Big Y Pre-Starter Medicated	9.68	26.00	27.75
1/	n	10.00	1/ 00	1/ 00
4695	Big Y Rabbit Pellets	10.32	16.00	16.00 16.75
5641	Big Y Rabbit Pellets Medicated	10.11	16.00	10.75

Analyses

F	at	Fil	oer	
Guaran- teed not less than	Found	Guaran- teed not more than	Found	Medicants
3.50	3.87	4.00	2.90	
3.50 2.00	3.78 2.59	4.00 5.00	2.92 4.01	
3,50	4.39	6.00	5.03	
3.50	3.65	6.00	3.59	4-Nitrophenylarsonic acid: Guar., 0.025%; found, 0.0237%. Chlortetracycline hydrochlor- ide: Guar., 50 gms/ton; not determined.
3.50	3.69	6.00	3.20	4-Nitrophenylarsonic acid: Guar., 0.025%; found, 0.0277%.
3.50 2.50 5.00	3.54 3.34 4.89	8.00 9.00 4.00	7. 29 6. 81 3. 15	
5.00	4.90	4.00		Amprolium: Guar., 0. 0125%; found, 0. 0133%.
5.00	5.39	4.00	2.43	Amprolium: Guar., 0.0125%; found, 0.0137%.
5.00	4.54	4.00	2.83	Nicarbazin: Guar., 0.0125%; found, 0.0126%. Arsanilic acid: Guar., 0.0095%; found, 0.0106%.
3.50 3.50 3.50	3.54 3.74 3.81	5.00 6.00 6.00	5.00 5.50 6.00	Furazolidone:Guar., 0.011%;
3.50 5.50	3.99 7.09	6.00 4.00	4.10 2.56	found, 0.0105%. Amprolium: Guar., 0.0125%; found, 0.0118%.
3.00 8.00	3.00 8.96	8.00 3.50		Nicarbazin: Guar., 0.0125%; found, 0.0134%. Arsanilic acid: Guar., 0.0095%; found, 0.0095%.
8.00	8.32	3,50		Amprolium: Guar., 0.0125%; found, 0.0103%.
3.00 3.00	3. 23 3. 44	10.00	9.75 9.72	Sulfaquinoxaline:Guar., 0.025%; found, 0.0272%.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

	TABLE 1. ANALISES OF COMP	VI 1310 C-21 11		
·			Prote	
Station No.			(N x 6	. 45)
ion	Manufacturer and brand		teed not	
at		Moist-	less	
22		ure	than	Found
4712	Dis V Constab Ford	12 11	0.00	10 25
4713 5411	Big Y Scratch Feed Big Y Sheep & Goat Feed	13.11	9.00	10.25
4894	Big Y Stock Feed	10.35	9.00	10.75
6050	Big Y Super Broiler & Starter			
	Ration Medicated	11.44	20.00	21.00
5178	Big Y Super Starter & Broiler			
3110	Ration	11.26	20.00	20.75
5652	Big Y Super Starter Ration			
	Medicated	11.31	20.00	20.00
5117	Big Y Supreme Laying Mash	10.65	16.00	16.00
	Big Y Supreme Laying Mash	10.05	10.00	10.00
	Medicated	10.78	16.00	16.50
2004	Dis V Took Com Dotion	11 01	16 00	16 00
3094 5160	Big Y Test Cow Ration Big Y Test Cow Ration	11.91	16.00	16.00 16.50
4883	Big Y Turkey Fattener	10.55	17.00	17.63
5113	Big Y Turkey Growing Feed	10.61	20.00	22.00
5180	Improved Al-Mo	11.56	10.00	12.00
				1
		1		

Guaran- teed not less than	at Found	Fib Guaran- teed not more than	Found	Medicants
2.00 3.50 2.50 3.50 3.50	2. 46 3. 65 2. 66 4. 56 4. 28 4. 08	5.00 8.50 15.00 4.00 4.50	3. 29 7. 03 11. 80 3. 16 3. 48 3. 33	Amprolium: Guar., 0.0125%; found 0.0123%. Sulfaquinoxaline: Guar., 0.0175% found, 0.0192%.
5.00 5.00 3.00 3.50 3.50 2.00	5. 09 5. 12 3. 82 3. 80 3. 57 3. 57 2. 96	4.00 4.00 8.50 8.50 6.00 6.00 12.00	3.08 2.98 8.33 7.49 4.71 3.68 12.70	Furazolidone:Guar., 0.011%; found, 0.0119%.

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	TABLE 2. VITAMIN	CARRIERS
Station No.	Manufacturer and brand	Place, date of sampling and control number
	CORN PRODUCTS COMPANY, New York, N.Y.	
4127	Kasco Natural Dog Meal	Middlefield, 7/6, None
	DARI-DRI CO., Div. of Milk Specialties, Inc., Dundee, Ill.	
41291	Dari-Dri Baby Calf Formula Animal Feed	Norwalk, 7/6, 025-11-1
	DAWE'S LABORATORIES, INC., Chicago, Ill.	
3156 3647	Dawe's Fermentation Flavonne Dawe's Fermentation Flavonne	Middletown, 1/10, 6339 Middletown, 3/9, 1330 Plantsville, 5/5, 1558
		Middletown, 1/10, 6337
3157	Special Broiler Mix No. 571-D Medicated	Middletown, 3/9, 1327
	EASTERN STATES FARMERS' EXCHANGE, INC. W. Springfield, Mass.	
4125	Calfsaver Tablets	North Haven, 7/6,8007-102
	THE RAY EWING COMPANY Pasadena, Calif.	
3164	All Purpose Pre-Mix All Purpose Pre-Mix All Purpose Pre-Mix	Derby, 1/12, 1030-B-1 Derby, 3/13, None Derby, 5/3, None
	THE FOX CO., Newfield, N.J.	
	Foxco Qualadee A & D Feeding Oil Foxco Qualadee A & D Feeding Oil	
	GENERAL FOODS CORP., Battle Creek, Mich.	
41282	''Gaines Meal'' Concentrated Dog Food	Norwalk, 7/6, None
	nine, mg/lb.: Guar., 1: Found,	

Thiamine, mg/lb.: Guar., 1: Found, 3.02 Thiamine, mg/lb.: Guar., 2: Found, 2.47

TABLE 2. VITAMIN CARRIERS

Vitamin D, units/lb.		Riboflavin mg/lb.		Niacin mg/lb.		Calcium pantothenate mg/lb.		
Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	
2,500	*	3.5	2.85					
2,000	*	4.0	12.6	5.0	9.41	2, 2	22.6	
25,000 25,000 25,000	OK OK *	45 45 45	* 41.1 50	300 300 300	* 285 369	76 76 75. 7	* 75 77	
14,582	ок	42	*	180	*	66	*	
14,582	ок	42	46.2	180	238	66.3	78.6	
					- 0			
				50	49.2			
136,200 136,200 136,200	OK OK *	400 400	477 458	4000 4000 4000	* 3927 3418	1000 1000 995	* 899 958	
136, 200 136, 200	OK OK							
1,000	*			18	21	4.35	4.54	

--* not determined

~ indicates deficiencies

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	TABLE 2. VITAMIN	CARRIERS
Station No.	Manufacturer and brand	Place, date of sampling and control number
	KENNEL FOOD SUPPLY DIV., Hygrade Food Prod. Co., Detroit, Mich.	
4130 ³	KFS Hy-Ration Brand Dog Food	Norwalk, 7/6, None
	KRAFT FOODS, Div. National Dairy Products Corp. Chicago 90, Ill.	
48595	Kray-9 Dog Food Supplement Kray-9 Premix for Pet Foods Pex, High Lay Pellets for Lay- ers and Breeders	Norwich, 1/11, None Norwich, 11/8, None Norwich, 1/11, None
	MARINE PRODUCTS CO., Boston 27, Mass.	TYOTWICH, 1/11, TYONG
3162 3644	Cod Liver Oil, Veterinary Cod Liver Oil, Veterinary Cod Liver Oil, Veterinary Cod Liver Oil, Veterinary	Norwich, 1/11, None Norwich, 3/10, None Norwich, 5/4, None Norwich, 9/8, 5859
	MERCK & CO., INC., Chemical Div., Rahway, N.J.	
	No. 941 Feed Supplement Improved Premix Medicated No. 1061 Feed Supplement	
4372	Improved Premix Medicated No. 1061 Feed Supplement	
4856	Improved Premix Medicated No. 1061 Feed Supplement Improved Premix Medicated	
	MYZON LABORATORIES,	101 W1011, 11/0, W1-1-100-1-3
	Chicago 32, Ill. Myzon Poultry Builder Myzon Poultry Builder	Norwich, 5/4, None Norwich, 11/8, None
1330	NOPCO CHEMICAL CO., Harrison, N. J.	
3155	Nop-Cap-Special	North Franklin, V2827-V2841 Code DCT 522-35007,3/9
	Nopco-Pak Hi-Lay Premix nine, mg/lb.: Guar., 1; found, 1	Norwich,1/11,Code EZW- 527-12536-810

Thiamine, mg/lb.: Guar., 1; found, 1.67
Thiamine, mg/lb.: Guar., 10; found, 12.7

TABLE 2. VITAMIN CARRIERS

Vitamin units/		Ribof mg	lavin /lb.	1	acin g/lb.		ium henate g/lb.	
Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	
2,000	*	2.5	3.95	25	27.1			
7,000 7,000 2,400	* *	12 12	47.6 20.8 ~~~ 14.4 ~~~	60 60 30	63.8 61.5 28.9	19.6 18.5 20.7	27.6 19.6	
136,077 136,077 136,077 136,077	OK OK OK below							
85,125 85,125 85,125	OK OK	500 500 500	* 476 503	3750 3750 3750	* 3370 3010	500 500 500	* 446 383	
85,125 164,000	ок	160	161	3750 640	* 657	500 173	* 140	
164,000	OK	160	137	640	675	32000	32670	
400,000	OK	800	*	8000	*	1600	*	

Thiamine, mg/lb.: Guar., 10; found, 13.6
--* not determined

~ indicates deficiencies

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TABLE 2. VITAMIN CARRIERS

Station No.	Manufacturer and brand	Place, date of sampling and control number
	NOPCO CHEMICAL CO., -Cont. Harrison, N.J.	
4374	Nopco-Pak Hi-Lay Premix	Norwich, 9/8, 527-12536- EZW-5-61
4861	Nopco-Pak Hi-Lay Premix	Norwich, 11/8, 527-12536 Code EZW
3646	Nopco-Pak Super Premix, Med.	Norwich, 5/4, Code EYY- 527-12516
3159	Nopco-Pak Super Premix, Med.	Norwich, 3/10, Code EYY- 527-12516
4857	Nopco-Pak Super Premix, Med.	Norwich, 11/8, Code FGY- 527-20520
3643	Nopdex ''3000''	Norwich, 5/4, V2786
	Nopdex ''3000''	Norwich, 9/8, V4410
4854	Nopdex ''3000''	Norwich, 11/8, V4410
	CHAS. PFIZER & CO., INC., Brooklyn, N.Y.	
2787	Pfizer R-4 Riboflavin Supplement	Norwich, 1/11, Order No. 1984
4855	Yantic High-Lay Premix	Norwich, 1/8, 2631
	STABILIZED VITAMINS,DIV., Garfield, N.J.	
	Perma-D-3000	Shelton, 3/13, 14114
	Perma-Mix	Shelton, 10/27, 3648
	Perma-Mix C. C. C. No. 1 Perma-Mix C. C. C. No. 1	Manchester, 1/10, 3232 Manchester, 3/14, 3347-2
	Perma-Mix C. C. C. No. 1	Manchester, $5/14$, $3347-2$ Manchester, $5/5$, $3447-2$
	Perma-Mix C. C. C. No. 1	Manchester, 9/12, 3680-2
	Perma-Mix C. C. C. No. 1	Manchester, 11/9, 3798-2
	Perma-Mix C. C. C. No. 2	Manchester, 1/10, 3089
	Perma-Mix C. C. C. No. 2 Perma-Mix C. C. C. No. 2	Manchester, 3/14, 3282 Manchester, 5/5, 3360
	Perma-Mix C. C. C. No. 2	Manchester, 9/12, 3646
4863	Perma-Mix C. C. C. No. 2	Manchester, 11/9, 3772
2782	Perma-Mix C. C. C. No. 3	Manchester, 1/10, 3233
3171 3650	Perma-Mix C. C. C. No. 3 Perma-Mix C. C. C. No. 3	Manchester, 3/14, 3171 Manchester, 5/5, 3362
4395	Perma-Mix C. C. C. No. 3	Manchester, 9/12, 3647
4864	Perma-Mix C. C. C. No. 3	Manchester, 11/9, 3773
2783	Perma-Mix C. C. C. No. 4	Manchester, 1/10, 3090
3651	Perma-Mix C. C. C. No. 4	Manchester, 5/5, 3402

^{--*} not determined indicates deficiencies

TABLE 2. VITAMIN CARRIERS

Vitamin D, units/Ib.		Riboflavin mg/lb.		Niacin mg/lb.		Calcium pantothenate mg/lb.	
Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found
400,000	ОК	800	777	8000	8787	1600	1382
400,000	ок	800	*	8000	*	1600	*
170, 250	below std.	1000	3033	7500	6780	1000	882
170,250	OK	1000	2927	7500	6428	1000	795 ~~~
170,250 1,361,000	OK OK	1000	*	7500	*	1000	*
1,361,000 1,361,000 1,361,000	OK OK						
400,000	ОК	4000 800	3528 752	8000	7416	1600	1476
255, 450 255, 450 255, 450 297, 950 297, 950	OK OK OK OK OK	2000 600 600 600 600	1730 * 733 626 633	9000 7950 7950 7930 7930	13780 ~22* 7821 6868 6386	4000 978 978 974 978	3020 ^_^* 848 872 1108
297, 950 153, 150 153, 150 153, 150 153, 150 153, 150	OK OK OK OK	375 375 375 375	517 486 507	750 7500 7500 7500	7012 7016 6520	1500 1500 1500 1500	1548 1820 1427
154,650 154,650 154,650 214,650 214,650	OK * OK OK OK	975 975 975 975	1379 1085 892	6750 6750 6750 6750	* 6098 6167 5554	1200 1200 1200 1200	* 1239 1085 1005
204,300 216,000	OK OK	745 900	* 806	6180 5400	4431	1416 1200	* 1094

TABLE 2. VITAMIN CARRIERS

Station No.	Manufacturer and brand	Place, date of sampling and control number
	STABILIZED VITAMINS, DIV., Garfield, N.J Cont.	
4396 4865	Perma-Mix C.C.C. No.4 Perma-Mix C.C.C. No.4	Manchester, 9/12, 3541 Manchester, 11/9, 3541
	VITARON CHEMICAL MFG. CO., Garfield, N.J.	
4852 2792	Vitaron Vitamin A & D Feed- ing Oil Vitaron Vitamin A & D Feed-	Shelton, 10/27, 14665
3166	ing Oil Vitaron Vitamin A & D Feed-	Shelton, 1/12, 13915
3640	ing Oil Vitaron Vitamin A & D Feed- ing Oil	Shelton, 3/13, 14172 Shelton, 5/3, 14271
4400	Vitaron Vitamin A & D Feed- ing Oil	Shelton, 9/15, 14663
	WARNER DOG FOOD CO., INC. Brooklyn 22, N.Y.	
4860 ⁶	Gold-N-Bone Shaped Biscuit WHITMOYER LABORATORIES	Norwich, 11/8, None
4399	INC., Myerstown, Pa. Derby All Purpose Premix	Derby, 9/15, 82361
2793	Flav-A-Dee	Bridgeport, 1/12, None
3168 3642 4867 3158 4370	Flav-A-Dee Flav-A-Dee Flav-A-Dee Machnicki Premix No. 2 Machnicki Premix No. 2A	Bridgeport, 3/13, None Bridgeport, 5/3, None Bridgeport, 11/14, None Jewett City, 3/10, 22161 Jewett City, 9/8, 62861
	WIRTHMORE FEEDS, INC., Waltham, Mass.	
4397 ⁷	Wirthmore Mink Food 512	Clinton, 9/14, N437991- N437990-N437976- N437992-N437970
41268	Wirthmore Mink Food	Middlefield, 7/6, M311144- M311142-M311153- M311159

Thiamine, mg/lb.: Guar., 0.5; found, 2.54
Thiamine, mg/lb.: Guar., 4; found, 6.63
Thiamine, mg/lb.: Guar., 4; found, 6.54

TABLE 2. VITAMIN CARRIERS

		1		i		1	
Vitamin D, units/lb.		Riboflavin mg/lb.		Niacin mg/lb.		Calcium pantothenate mg/lb.	
Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found
216,000 216,000	OK OK	900	844	5400	4986	1200	928
136, 200	ОК						
136,200	OK						
136,200	OK						
136, 200	ОК						
136, 200	OK						
2,000	*	1.5	2.77	14.0	27.9	1.96	3.13
136, 200 54, 480	Pass Below	400 100	363	4000	3285	1000 109	894 *
54,480	Std. Pass	100	126	700	611		
54, 480 54, 480 544, 800 272, 400	Pass OK Pass Below Std.	100 800 400	* 791 387	700 8000 4000	7407 3238	100 2174 1087	* 2014 892
		4.50	2.40	20.	28.7	7.61	6.41
4,000	> 1/4	4.5	3.96	20.	38.3	7.61	7.39
* not dete	11 maid o 6						

--* not determined



